



Phone #.041-9200898  
041-9200161 Ext.3503/3504  
E.Mail:[dpic@uaf.edu.pk](mailto:dpic@uaf.edu.pk)  
[store\\_officer@uaf.edu.pk](mailto:store_officer@uaf.edu.pk)

**University of Agriculture, Faisalabad**  
(Directorate of Procurement & Inventory Control)

No./DPIC 6967-7067  
Dated: 05-12-24

To

1. All Deans/Directors/Project Directors/Principal Officers
2. Principal, UAF Sub Campus, T.T Singh/Burewala/Depalpur
3. All Chairmen of Teaching Department in the University
4. All PIs of the Research and Development Projects
5. Senior Tutor/Hall Warden/Director Students Affairs
6. Senior Medical Officer (Staff and Students)
7. Headmaster/Headmistress, Jr. Lab. & Laboratory High School
8. All Heads of Sections working under Registrar/Treasurer/Controller of Examinations
9. Resident Auditor
10. Accounts Officer (Pre-Audit)
11. Secretary to Vice Chancellor
12. P.A to Treasurer

Subject: **FRAMEWORK CONTRACT FOR PURCHASE OF CHEMICALS, GLASSWARE AND PLASTIC WARE ETC., FOR ONE YEAR W.E.F 03.12.2024 TO 02.12.2025.**

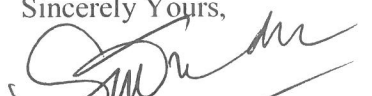
Dear Sir,

It is intimated that on the recommendations of the committee constituted for subject purpose, the University has made subject Framework Contract with the following firm's against mentioned brands w.e.f 03.12.2024 to 02.12.2025.

| Sr. No. | Name of Firms                              | Name of Brands                                                                                                                                                                                         | Offered Discount %                            | Agreement No. & Date              |
|---------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------|
| 1       | M/s Pakistan Scientific Store, Faisalabad. | i) NeoFroxx, Germany<br>ii) QCA, Spain<br>iii) All Pure, China                                                                                                                                         | 06%<br>06%<br>06%                             | No./DPIC 6963<br>dated 05.12.2024 |
| 2       | M/s Abdullah Traders, Faisalabad.          | i) Glenthem Life Science, UK<br>ii) Arena Bioscience (Egypt)                                                                                                                                           | 20%<br>30%                                    | No./DPIC 6965<br>dated 05.12.2024 |
| 3       | M/s Musaji Adam & Sons, Faisalabad.        | i) Oxoid, UK<br>ii) Daejung, Korea<br>iii) Acore, Belgium<br>iv) Alfa Aesar, Fisher<br>v) Nest, China<br>vi) SolarBio Brand, China                                                                     | 40%<br>40%<br>40%<br>40%<br>40%<br>30%        | No./DPIC 6964<br>dated 05.12.2024 |
| 4       | M/s New Chemical Centre, Lahore.           | i) Scilabware, Duran and DWK, UK<br>ii) Icon Chemical, Germany<br>iii) Elab Sciences, US<br>iv) Hydros, UK<br>v) Macklin, China<br>vi) Zokeyo Molecular Reagent, China<br>vii) Zokeyo Standards, China | 20%<br>20%<br>20%<br>20%<br>20%<br>20%<br>20% | No./DPIC 6962<br>dated 05.12.2024 |
| 5       | M/s The Worldwide Scientific, Lahore       | i) Thermo Scientific, USA<br>ii) Phyto-USA<br>iii) Roth Germany<br>iv) Synbio Technologies, USA<br>v) Plant Cell-USA<br>vi) Bio Seen, China<br>vii) Nest Scientific, China                             | 03%<br>03%<br>03%<br>03%<br>03%<br>03%<br>03% | No./DPIC 6961<br>dated 05.12.2024 |

Note:- Scanned version of the agreement and the price list shall be placed on UAF website.

Sincerely Yours,

  
**FAISAL SHAHZAD SIAL**  
DIRECTOR (DPIC)

## E-STAMP



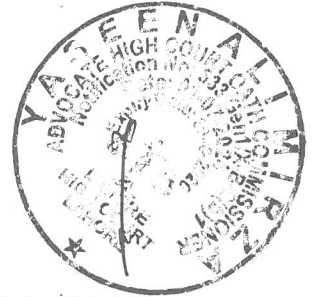
ID : PB-LHR-75302C387B551BD9  
Type : Low Denomination  
Amount : Rs 200/-



Scan for online verification

Description : CERTIFICATE OR OTHER DOCUMENT- 19  
Applicant : THE WORLD WIDE SCIENTIFIC [00000-0000000-0]  
Representative From : OFFICER  
Agent : HASSAN [35301-4920401-5]  
Address : LHR  
Issue Date : 29-Nov-2024 3:07:31 PM  
Delisted On/Validity : 6-Dec-2024  
Amount in Words : Two Hundred Rupees Only  
Reason : UNDERTAKING FOR TENDER  
Vendor Information : Muhammad Ismail | PB-LHR-1278 | Turner Road

**Muhammad Ismail**  
Stamp Vendor  
Opposite Hajvery Complex Lhr  
0321-4185816



نوٹ: یہ ٹرانزیکشن تاریخ اجرا سے سات دنوں تک کے لیے قابل استعمال ہے۔ ای اسٹامپ کی تصدیق بذریعہ ویب سائٹ، کیو آر کوڈ یا ایس ایم ایس سے کی جا سکتی ہے۔

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Phone #: 041-9200898  
041-9200161 Ext.3503/3504  
Fax #: 041-9200898  
Website: [www.uaf.edu.pk](http://www.uaf.edu.pk)  
E. Mail: [dpic@uaf.edu.pk](mailto:dpic@uaf.edu.pk)  
[store\\_officer@uaf.edu.pk](mailto:store_officer@uaf.edu.pk)

## UNIVERSITY OF AGRICULTURE, FAISALABAD

DIRECTORATE OF PROCUREMENT & INVENTORY CONTROL (DPIC)

No./DPIC 6961  
Dated: 05-12-2024

### AGREEMENT

This Agreement of Framework Contract (hereinafter referred to as the "Framework Contract") is executed at Faisalabad.

#### Between

The Vice Chancellor, University of Agriculture, Faisalabad through the Treasurer, University of Agriculture, Faisalabad.

#### AND

M/s The Worldwide Scientific having their registered office Suite No. 1-2, First Floor, Syed Plaza, 30-Ferozepur Road, Lahore under Sales Tax No.03-09-9018-005-82 and National Income Tax 1435026-2 with phone No.042-37500016-17 and Fax No.NIL which expression shall, unless the context requires otherwise, includes its successors-in-interest, executors, administrators, representatives and assignees (hereinafter referred to as the "Firm") of the OTHER PART.

WHEREAS, the University of Agriculture, Faisalabad, is competent and responsible for concluding the rate contracts for the purchase of goods and for all the Administrative & Academic Departments, Directorates & Sub Campuses & Colleges (hereinafter called as the "Clients").

WHEREAS, the University of Agriculture, Faisalabad, invited bids from the firms on 01.04.2024 for the Framework Contracts for the supply of Chemicals, Glassware/Plasticware etc., (hereinafter called the goods to the Clients for one year).

AND WHEREAS, bid of the Firm has been accepted.

THEREFORE, THE PARTIES HAVE ENTERED INTO AN AGREEMENT ON THE TERMS AND CONDITIONS STATED HEREIN BELOW:

#### A. General

This Agreement/Framework Contract shall be subject to the following:

- All relevant Laws/Rules/Regulations/Notifications/Instructions/Directions of UAF and Government.

**ATTESTED**

**YASIN OMAR MIRZA**  
ADVOCATE HIGH COURT  
CAMPUS CHAIRMAN  
Lahore High Court, Lahore  
Notification No. 35018-B-0(b)1  
Date: 01/12/2024  
Expiry Date: 30-03-2026



E-STAMP



ID : PB-LHR-31A7DB2AB558A500  
Type : Low Denomination  
Amount : Rs 200/-



Scan for online verification

Description : CERTIFICATE OR OTHER DOCUMENT- 19  
Applicant : THE WORLD WIDE SCIENTIFIC [00000-0000000-0]  
Representative From : OFFICER  
Agent : HASSAN [35301-4920401-5]  
Address : LHR  
Issue Date : 29-Nov-2024 3:07:31 PM  
Delisted On/Validity : 6-Dec-2024  
Amount in Words : Two Hundred Rupees Only  
Reason : UNDERTAKING FOR TENDER  
Vendor Information : Muhammad Ismail | PB-LHR-1278 | Turner Road

Muhammad Ismail  
Stamp Vendor  
Opposite Hajvery Complex Lhr  
0321-4185816



نوٹ: یہ ٹرانزیکشن تاریخ اجرا سے سات دنوں تک کے لیے قابل استعمال ہے۔ ای اسٹامپ کی تصدیق بذریعہ ویب سائٹ، کیو آر کوڈ یا ایس ایم ایس سے کی جا سکتی ہے۔

Type "eStamp <16 digit eStamp Number>" send to 8100

- ii. Any other Terms and Conditions imposed by the Government from time to time.  
iii. All terms and conditions of the tender No.24/2024 shall be part of agreement.

B. Description and Rates of Goods

| DISCOUNT ON PRICE LIST |                                                                                                        |                                                                                                                                                                            |                                                           |     |
|------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----|
| Sr. #                  | Name of Firm & Address                                                                                 | Brand Name                                                                                                                                                                 | FOR basis                                                 | C&F |
| 1.                     | M/s The Worldwide Scientific, office Suite No. 1-2, First Floor, Syed Plaza, 30-Ferozepur Road, Lahore | i. Thermo Scientific, USA<br>ii. Phyto-USA<br>iii. Roth-Germany<br>iv. Synbio Technologies, USA<br>v. Plant Cell-USA<br>vi. Bio Seen, China<br>vii. Nest Scientific, China | 03%<br>03%<br>03%<br>01% 03%<br>03%<br>01% 03%<br>01% 03% |     |

C. Duration

- i. The Agreement shall commence on 03-12-2024  
ii. The Agreement shall remain in force till 02-12-2025  
iii. The Firm shall be bound to accept all supply orders up to 02-12-2025

D. Quantity

1. This Agreement/Framework contract is concluded with the Firm on 100% demand basis, whereby, the firm shall be bound to supply the quantity ordered by the UAF.  
2. The firm shall maintain sufficient stock of goods to meet the demand of client of the UAF.

E. Packing

- i. Standard packing shall be arranged by the Firm for supply of the goods at the Client's end subject to:- provision of Import Document's along with source Document to be had from foreign & local principal.

F. Delivery

1. **Period:**  
a. Within 07 days if available in the stock or in Pakistan.  
b. Within 06 weeks in case of import from the date of supply order.  
2. **Late Delivery:**  
Director (P&IC) may, impose liquidated damages in case of late delivery installation/commissioning except due to Force Majeure, @0.67% of the value of goods delivered/installed/commissioned late per day or a part of a period exceeding the original delivery period, subject to the provision that the total liquidated damages thus imposed will not exceed 10% of the total value of the goods delivered/installed/commissioned late.

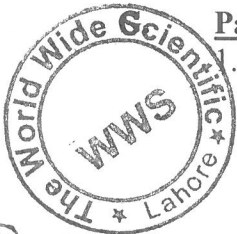
Payment

Prerequisites:

- a. Provision of satisfactory Inspection Certificate as per clause I.  
b. The DDO Concerned shall also submit the shelf life certificate on the prescribed Performa issued by Treasurer office.  
c. Deduction of Income Tax or production of an Exemption Certificate by the Firm from Income Tax Commissioner concerned  
d. Deduction of Sales Tax if applicable and simultaneously provision of prescribed Sales Tax Invoices showing the requisite amount of Sales Tax if applicable.

ATTESTED

YASEEN ALI MIRZA  
ADVOCATE HIGH COURT  
Opposite Hajvery Complex, Lahore  
Notification No. 806/17-B-0(b)1  
Date: 01-12-2024  
Expiry Date: 30-6-2025



# E-STAMP



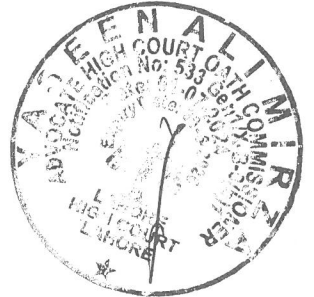
ID : PB-LHR-0D5AA798BAA8A017  
Type : Low Denomination  
Amount : Rs 200/-



Scan for online verification

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Applicant : THE WORLD WIDE SCIENTIFIC [00000-0000000-0]  
Representative From : OFFICER  
Agent : HASSAN [35301-4920401-5]  
Address : LHR  
Issue Date : 29-Nov-2024 2:39:08 PM  
Delisted On/Validity : 6-Dec-2024  
Amount in Words : Two Hundred Rupees Only  
Reason : UNDERTAKING FOR TENDER  
Vendor Information : Muhammad Ismail | PB-LHR-1278 | Turner Road

Muhammad Ismail  
Stamp Vendor  
Opposite Hajvery Complex  
0321-4185810



نوٹ: یہ ٹرانزیکشن تاریخ اجرا سے سات دنوں تک کے لیے قابل استعمال ہے۔ ای اسٹامپ کی تصدیق بذریعہ ویب سائٹ، کیو آر کوڈ یا ایس ایم ایس سے کی جا سکتی ہے۔

Type "eStamp <16 digit eStamp Number>" send to 8100

## 2. Mode:

- Through crossed Cheque issued by the Treasurer, UAF.
- Deduction through University of Agriculture, Faisalabad, Pre-Audit Section.

## H. Warranty:

- At the time of delivery the Chemical shall have 70% shelf life as per manufacture.

## I. Inspection

- Authority: Concerned Client of the University of Agriculture, Faisalabad (UAF).
- Inspecting Officer: Relevant Client or Nominee of the UAF.
- Place: At the respective department, UAF.
- Period: Rejection/Acceptance shall within 10 days invariable from the date of delivery of goods on site.

## J. Rejection of goods

- On Inspection, the Inspecting Officer may reject goods not conforming to specifications.
- Where the good (s) inspected and released by the Inspecting Officer is rejected by the end user, re-inspection may be ordered by the Inspecting Authority. The same shall be performed in presence of representative of the Firm. If on such re-inspection it is concluded that the rejection is justified, the good (s) shall stand rejected and shall be replaced by the Firm at its own risk and cost failing which the good (s) shall be purchased through the Directorate of Procurement & Inventory Control, University of Agriculture, Faisalabad at the cost of the Firm from open market.

## K. Security

- Performance Security: A sum of Rs.1,000,000/- (Rupees One million Only) have deposited by the Firm in the shape of Deposit at Call Receipt No. 00860 865 date 28-03-24 as performance security.
- Release:** performance security deposit shall be released after four months from the date of expiry of the contract;

- all supply orders issued within the validity of the rate contract.
- all other Terms and Conditions forming part of this Framework contract.

Forfeiture: Security shall be forfeited if;

- the Firm fails to execute any provision of this framework contract/agreement and
- complaints are received against the good (s) or in respect of any deficiency and confirmed after the enquiry by the committee comprising Chairman, Department of Chemistry, Director, Department of CABB and Director (DPIC) in which case the firm shall be given opportunity of being heard and of adducing evidence. The Clients would then have a right to purchase the requisite material(s) from elsewhere without any notice and at the Firm's cost from open market through DPIC.

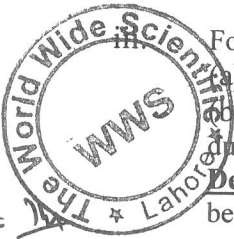
## L. Correspondence

The number and date of this Agreement well as supply orders issued under the same shall be quoted in all the correspondence made in this behalf.

## M. Cancellation/Suspension

- Complaints in respect of goods or any other violation(s) of this Agreement shall result in an inquiry by the Committee referred to in Sub-clause "iii" of Clause "K". If contacting firm is not satisfied in the said inquiry, the Treasurer may take the following action on the recommendations of the committee:
- Suspension of this Agreement.
- Cancellation of this Agreement
- Termination by Default
- Termination for Convenience

**ATTESTED**  
YASEEN ALI MIRZA  
ADVOCATE HIGH COURT  
04 DECEMBER  
Lahore High Court, Lahore.  
Notification No: 20 Gen/24-B-9(h)/1  
Date: 01-12-2024  
Expiry Date: 30-6-2026



# E-STAMP



ID : PB-LHR-F1D856C614A399FC  
Type : Low Denomination  
Amount : Rs 200/-



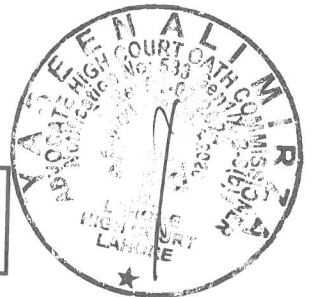
Scan for online verification

Muhammad Ismail  
Stamp Vendor  
Opposite Havery Complex  
0321-4185816

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Agent : HASSAN [35301-4920401-5]  
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- f. Forfeiture of Security.  
g. Blacklisting/debar for specific period.  
h. Any other legal measure available.

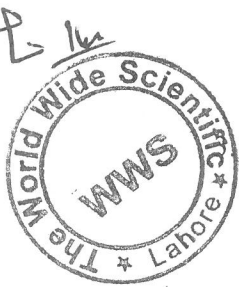
## N. Termination for Default

1. The Director (P&IC) without prejudice to any other remedy for breach of Agreement, by written notice of default sent to the firm, may terminate this Agreement in whole or in part:

- (a) if the firm has engaged in corrupt or fraudulent practices in executing the Agreement.  
(b) If the firm fails to deliver any or all of the Goods within the period(s) specified in the Agreement or within any extension thereof granted by the Director (P&IC).  
For the purpose of this clause:  
"corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution  
"fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

2. In the event of termination of the Agreement in whole or in part, the Director (P&IC) may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess cost for such similar Goods or Services. However, the Supplier shall continue performance of the Agreement to the extent not terminated.  
Notwithstanding, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Agreement is the result of an event of Force Majeure.  
For purposes of this clause, "Force Majeure" means an event beyond the control of the firm and not involving the firm's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the client in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

*Signature*



## O. Termination for Insolvency

The Director (P&IC) may at any time terminate the Agreement by giving written notice to the firm if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will result in no compensation to the firm, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Director (P&IC).

## P. Termination for Convenience

The Director (P&IC) by written notice sent to the firm may terminate the Agreement, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the client's convenience, the extent to which performance of the firm under the Agreement is terminated, and the date upon which such termination becomes effective.

ATTESTED  
YASEEN ALI MIRZA  
ADVOCATE HIGH COURT  
LAHORE

# E-STAMP



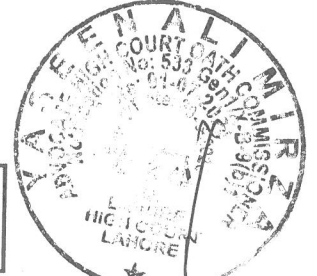
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Type "eStamp <16 digit eStamp Number>" send to 8100

The Goods that are complete and ready for shipment within thirty (30) days after the firm's receipt of notice of termination shall be accepted by the client at the Agreement terms and prices. For the remaining Goods, the Director (P&IC) may elect:

- to have any portion completed and delivered at the Agreement terms and prices; and/or
- to cancel the remainder and pay to the firm an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the firm.

## Q. Arbitration:

- If any dispute or difference arises between the parties (firm and the client) in execution of the Agreement, the parties shall make every endeavor to resolve the dispute or difference amicably. If the dispute or difference is not resolved either of the party may see arbitration.
- If the firm intends to go for arbitration, he shall have to give 30 days notice in writing informing the Director (P&IC) of his intention to refer to the points of differences or dispute of arbitration. He shall have to define clearly the point of difference and or dispute in his notice.
- All the matters of dispute or difference except regarding rejection of goods by the Inspector under Clause "I" "Inspection" or cancellation of the Agreement by the Director (P&IC) under Clause "P" "Termination for Default" and clause "R" "Termination for Convenience" arising out of the agreement between the parties thereto, shall be referred to Vice Chancellor, University of Agriculture, Faisalabad as Arbitrator. His decision shall be final and binding on both the parties. The work under the contract shall if reasonably possible continue, under the proceedings before the Arbitrator and no payments payable by the client's shall be withheld on the account of such proceeding unless they are subject of the dispute. The arbitration ward shall be recorded in writing.

## R. Court Jurisdiction

Only the courts at Faisalabad shall have exclusive jurisdiction to adjudicate upon any "lies" brought by either of the parties in relation to the contract.

## S. Other terms & conditions

As per bidding documents against Tender No.24/2024.

on behalf of the  
University of Agriculture, Faisalabad

on behalf of the Firm

TREASURER

TREASURER  
University of Agriculture  
Faisalabad

Witnesses: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

DIRECTOR (DPIC)  
University of Agriculture  
Faisalabad

Muhammad Zaheer

PROPRIETERS

M. Umer

Witnesses: \_\_\_\_\_

Name: MOAZZAM ISLAM

Address: Suite No. 1-2 Syed Plaza

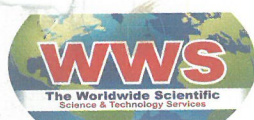
30-Ferozpur Road  
Lahore



ATTESTED

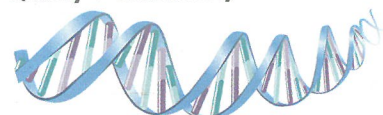
YASEEN ALI MIRZA  
ADVOCATE HIGH COURT  
Q&A COMMISSIONER  
Lahore High Court, Lahore.  
Notification No. 93 Cent/19-01/1  
Date: 04-07-2024  
Expiry Date: 30-6-2026





**THE  
WORLDWIDE  
SCIENTIFIC**  
SCIENCE & TECHNOLOGY SERVICES

Quality + Consistency + Confidence



To,

**The Director (DPIC)**

University of Agriculture  
Faisalabad.

Tender Ref: WWS/UAF/2024-5318  
Dated: 26 March, 2024

**FINANCIAL PROPOSAL**

NTN No. 143526-2  
GST No. 03-09-9018-005-82

**SUBJECT: TENDER NO. 24/2024 FOR THE PURCHASE OF "CHEMICALS & PLASTICWARE"**  
**DUE DATE: 01.04.2024**

Dear Sir,

We hope you will find this Tender/Quotation satisfactory and we look forward for your comments and valued order.

| Sr. No | Cat No.    | Description                                   | Pack Size          | Company           | Qty | Unit Price (PKR) | GST 18% / Exempted | Unit Price Inc GST | Total Price (PKR) |
|--------|------------|-----------------------------------------------|--------------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 1      | C20300     | CyQUANT™ LDH Cytotoxicity Assay               | 200 assays         | Thermo Scientific | 1   | 45,972           | -                  | 45,972             | 45,972            |
| 2      | K1422      | Rapid DNA Ligation Kit                        | 50 rxns            | Thermo Scientific | 1   | 59,443           | -                  | 59,443             | 59,443            |
| 3      | ER1931     | Lgul (SapI) (5 U/μL)                          | 100 U              | Thermo Scientific | 1   | 24,960           | -                  | 24,960             | 24,960            |
| 4      | ER0601     | PaeI (SphI) (10 U/μL)                         | 500 U              | Thermo Scientific | 1   | 34,560           | -                  | 34,560             | 34,560            |
| 5      | K1423      | Rapid DOne Unit Ligation Kit                  | 150 rxns           | Thermo Scientific | 1   | 134,400          | -                  | 134,400            | 134,400           |
| 6      | K2711      | TransformAid Bacterial Transformation Kit     | 40 transformations | Thermo Scientific | 1   | 33,024           | -                  | 33,024             | 33,024            |
| 7      | K0502      | GeneJET Plasmid Miniprep Kit                  | 50 preps           | Thermo Scientific | 1   | 22,318           | -                  | 22,318             | 22,318            |
| 8      | SM1823     | RiboRuler High Range RNA Ladder, ready-to-use | (5x40 μL)          | Thermo Scientific | 1   | 98,304           | -                  | 98,304             | 98,304            |
| 9      | K1081      | DreamTaq Green PCR Master Mix (2X)            | 200 rxns           | Thermo Scientific | 1   | 24,500           | -                  | 24,500             | 24,500            |
| 10     | FD0084     | FastDigest BglII                              | 200 rxns           | Thermo Scientific | 1   | 18,432           | -                  | 18,432             | 18,432            |
| 11     | S33102     | SYBR™ Safe DNA Gel Stain                      | 400 μL             | Thermo Scientific | 1   | 39,500           | -                  | 39,500             | 39,500            |
| 12     | R0192      | dNTP Mix (10 mM each)                         | 1 mL               | Thermo Scientific | 1   | 29,700           | -                  | 29,700             | 29,700            |
| 13     | F530S      | Phusion™ High-Fidelity DNA Polymerase         | 100 U              | Thermo Scientific | 1   | 43,000           | -                  | 43,000             | 43,000            |
| 14     | L3000001   | Lipofectamine™ 3000 Transfection Reagent      | 0.1 mL             | Thermo Scientific | 1   | 49,500           | -                  | 49,500             | 49,500            |
| 15     | ER0082     | BglII (10 U/μL)                               | 2,500 U            | Thermo Scientific | 1   | 36,096           | -                  | 36,096             | 36,096            |
| 16     | K1231      | CloneJET PCR Cloning Kit                      | 20 rxns            | Thermo Scientific | 1   | 57,600           | -                  | 57,600             | 57,600            |
| 17     | 15-632-011 | UltraPure™ Salmon Sperm DNA Solution          | (5x1 mL)           | Thermo Scientific | 1   | 53,760           | -                  | 53,760             | 53,760            |

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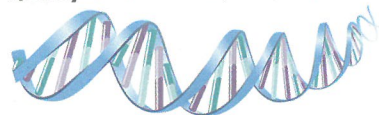




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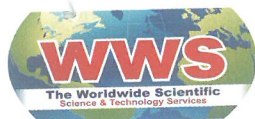
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| Sr. No | Cat No.  | Description                                                                            | Pack Size   | Company           | Qty | Unit Price (PKR) | GST 18% / Exempted | Unit Price Inc GST | Total Price (PKR) |
|--------|----------|----------------------------------------------------------------------------------------|-------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 18     | ER1021   | BstXI (10 U/ $\mu$ L)                                                                  | 500 U       | Thermo Scientific | 1   | 14,592           | -                  | 14,592             | 14,592            |
| 19     | ER0595   | NotI (10 U/ $\mu$ L)                                                                   | 500 U       | Thermo Scientific | 1   | 30,720           | -                  | 30,720             | 30,720            |
| 20     | K0692    | GeneJET Gel Extraction Kit                                                             | 250 Prep's  | Thermo Scientific | 1   | 75,000           | -                  | 75,000             | 75,000            |
| 21     | K0702    | GeneJET PCR Purification Kit                                                           | 250 preps   | Thermo Scientific | 1   | 67,000           | -                  | 67,000             | 67,000            |
| 22     | K0782    | GeneJET Whole Blood Genomic DNA Purification Mini Kit                                  | 250 Prep's  | Thermo Scientific | 1   | 145,000          | -                  | 145,000            | 145,000           |
| 23     | ER1181   | Bpu10I (5 U/ $\mu$ L)                                                                  | 200 U       | Thermo Scientific | 1   | 33,024           | -                  | 33,024             | 33,024            |
| 24     | 12535029 | PCR Cloning System with Gateway™ Technology with pDONR™221 & OmniMAX™2 Competent Cells | 20 rxns     | Thermo Scientific | 1   | 248,671          | -                  | 248,671            | 248,671           |
| 25     | ER0051   | BamHI (10 U/ $\mu$ L)                                                                  | 4,000 U     | Thermo Scientific | 1   | 15,000           | -                  | 15,000             | 15,000            |
| 26     | A32963   | Pierce Protease Inhibitor Tablets                                                      | 20 tablets  | Thermo Scientific | 1   | 107,520          | 19,354             | 126,874            | 126,874           |
| 27     | ER0725   | BclI (10 U/ $\mu$ L)                                                                   | 3,000 U     | Thermo Scientific | 1   | 26,880           | -                  | 26,880             | 26,880            |
| 28     | R0861    | DTT (dithiothreitol)                                                                   | 5 g         | Thermo Scientific | 1   | 25,000           | 4,500              | 29,500             | 29,500            |
| 29     | SM0323   | GeneRuler 100 bp Plus DNA Ladder, ready-to-use                                         | 50 $\mu$ g  | Thermo Scientific | 1   | 16,000           | -                  | 16,000             | 16,000            |
| 30     | 26616    | PageRuler™ Prestained Protein Ladder, 10 to (2x250 $\mu$ L) 180 kDa                    |             | Thermo Scientific | 1   | 43,008           | -                  | 43,008             | 43,008            |
| 31     | ER0452   | Esp3I (BsmBI) (10 U/ $\mu$ L)                                                          | 1,000 U     | Thermo Scientific | 1   | 131,328          | -                  | 131,328            | 131,328           |
| 32     | 14001012 | Platinum™ II Hot-Start Green PCR Master Mix (2X)                                       | 50 rxns     | Thermo Scientific | 1   | 29,952           | -                  | 29,952             | 29,952            |
| 33     | F548S    | Phusion Flash High-Fidelity PCR Master Mix                                             | 100 rxns    | Thermo Scientific | 1   | 44,544           | -                  | 44,544             | 44,544            |
| 34     | ER0271   | EcoRI (10 U/ $\mu$ L)                                                                  | 5,000 U     | Thermo Scientific | 1   | 16,205           | -                  | 16,205             | 16,205            |
| 35     | ER0581   | NdeI (10 U/ $\mu$ L)                                                                   | 500 U       | Thermo Scientific | 1   | 14,208           | -                  | 14,208             | 14,208            |
| 36     | ER0421   | Eco147I (StuI) (10 U/ $\mu$ L)                                                         | 1,000 U     | Thermo Scientific | 1   | 29,952           | -                  | 29,952             | 29,952            |
| 37     | ER0011   | AluI (10 U/ $\mu$ L)                                                                   | 600 U       | Thermo Scientific | 1   | 17,664           | -                  | 17,664             | 17,664            |
| 38     | ER0151   | BsuRI (HaeIII) (10 U/ $\mu$ L)                                                         | 3,000 U     | Thermo Scientific | 1   | 28,416           | -                  | 28,416             | 28,416            |
| 39     | R0181    | dNTP Set 100 mM Solutions                                                              | (4x0.25 ml) | Thermo Scientific | 1   | 24,576           | -                  | 24,576             | 24,576            |
| 40     | ER0491   | HincII (HindII) (10 U/ $\mu$ L)                                                        | 500 U       | Thermo Scientific | 1   | 15,360           | -                  | 15,360             | 15,360            |
| 41     | 12090015 | TE Buffer                                                                              | 100 mL      | Thermo Scientific | 1   | 24,967           | 4,494              | 29,461             | 29,461            |
| 42     | K1621    | RevertAid First Strand cDNA Synthesis Kit                                              | 20 rxns     | Thermo Scientific | 1   | 25,344           | -                  | 25,344             | 25,344            |
| 43     | K0722    | GeneJET Genomic DNA Purification Kit                                                   | 250 preps   | Thermo Scientific | 1   | 119,000          | -                  | 119,000            | 119,000           |
| 44     | EP0442   | RevertAid Reverse Transcriptase                                                        | 50,000 U    | Thermo Scientific | 1   | 59,000           | -                  | 59,000             | 59,000            |

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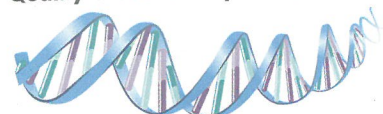
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|--------|--------------|----------------------------------------------------------------------------------------------|------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 45     | SM0373       | GeneRuler 50 bp DNA Ladder, ready-to-use                                                     | 50 µg      | Thermo Scientific | 1   | 16,500           | -                  | 16,500             | 16,500            |
| 46     | EP0402       | Taq DNA Polymerase, recombinant                                                              | 500 U      | Thermo Scientific | 1   | 14,800           | -                  | 14,800             | 14,800            |
| 47     | EO0492       | Proteinase K, recombinant                                                                    | (5x1 ml)   | Thermo Scientific | 1   | 29,000           | -                  | 29,000             | 29,000            |
| 48     | K0721        | GeneJET Genomic DNA Purification Kit                                                         | 50 preps   | Thermo Scientific | 1   | 24,500           | -                  | 24,500             | 24,500            |
| 49     | K1622        | RevertAid First Strand cDNA Synthesis Kit                                                    | 100 rxns   | Thermo Scientific | 1   | 56,000           | -                  | 56,000             | 56,000            |
| 50     | B52          | TBE Buffer (Tris-borate-EDTA) (10X)                                                          | 1 liter    | Thermo Scientific | 1   | 21,500           | 3,870              | 25,370             | 25,370            |
| 51     | K0701        | GeneJET PCR Purification Kit                                                                 | 50 preps   | Thermo Scientific | 1   | 18,700           | -                  | 18,700             | 18,700            |
| 52     | AM1906       | DOne Unit-free™ DOne Unit Removal Kit                                                        | 50 rxns    | Thermo Scientific | 1   | 66,448           | -                  | 66,448             | 66,448            |
| 53     | 78200.200.UL | ExoSAP-IT™ PCR Product Cleanup Reagent                                                       | 100 react  | Thermo Scientific | 1   | 56,832           | -                  | 56,832             | 56,832            |
| 54     | ER1921       | EcoRII (10 U/µL)                                                                             | 200 U      | Thermo Scientific | 1   | 25,344           | -                  | 25,344             | 25,344            |
| 55     | FD1124       | FastDigest RsaI                                                                              | 100 rxns   | Thermo Scientific | 1   | 26,880           | -                  | 26,880             | 26,880            |
| 56     | 14966001     | Platinum™ II Taq Hot-Start DOne Unit Polymerase                                              | 100 rxns   | Thermo Scientific | 1   | 43,776           | -                  | 43,776             | 43,776            |
| 57     | ER0781       | BspI43I (Sau3AI) (10 U/µL)                                                                   | 300 U      | Thermo Scientific | 1   | 23,040           | -                  | 23,040             | 23,040            |
| 58     | ER1151       | BspLI (NlaIV) (10 U/µL)                                                                      | 200 U      | Thermo Scientific | 1   | 31,488           | -                  | 31,488             | 31,488            |
| 59     | Q33224       | Qubit™ ROne Unit High Sensitivity (HS), Broad Range (BR), and Extended Range (XR) Assay Kits | 500 assays | Thermo Scientific | 1   | 78,000           | -                  | 78,000             | 78,000            |
| 60     | Q33231       | Qubit™ 1X dsDOne Unit High Sensitivity (HS) and Broad Range (BR) Assay Kits                  | 500 assays | Thermo Scientific | 1   | 78,000           | -                  | 78,000             | 78,000            |
| 61     | Q33222       | Qubit™ ROne Unit IQ Assay Kits                                                               | 275 assays | Thermo Scientific | 1   | 110,845          | -                  | 110,845            | 110,845           |
| 62     | 43-909-39    | AmpliTaq Gold™ Fast PCR Master Mix                                                           | 250 rxns   | Thermo Scientific | 1   | 112,128          | -                  | 112,128            | 112,128           |
| 63     | K0491        | GeneJET Plasmid Maxiprep Kit                                                                 | 10 preps   | Thermo Scientific | 1   | 58,368           | -                  | 58,368             | 58,368            |
| 64     | K0821        | GeneJET Viral DNA/RNA Purification Kit                                                       | 50 preps   | Thermo Scientific | 1   | 56,000           | -                  | 56,000             | 56,000            |
| 65     | SO142        | Random Hexamer Primer                                                                        | 120 µL     | Thermo Scientific | 1   | 31,050           | -                  | 31,050             | 31,050            |
| 66     | ER1532       | Pdml (XmnI) (10 U/µL)                                                                        | 2,500 U    | Thermo Scientific | 1   | 89,856           | -                  | 89,856             | 89,856            |
| 67     | ER0562       | MluI (10 U/µL)                                                                               | 5,000 U    | Thermo Scientific | 1   | 130,560          | -                  | 130,560            | 130,560           |
| 68     | ER0732       | Mph1103I (NsiI) (10 U/µL)                                                                    | 5,000 U    | Thermo Scientific | 1   | 131,328          | -                  | 131,328            | 131,328           |
| 69     | ER0202       | Cfr42I (SacII) (10 U/µL)                                                                     | 5 x 1200 U | Thermo Scientific | 1   | 87,552           | -                  | 87,552             | 87,552            |
| 70     | K1461        | EpiJET Bisulfite Conversion Kit                                                              | 50 rxns    | Thermo Scientific | 1   | 56,832           | -                  | 56,832             | 56,832            |

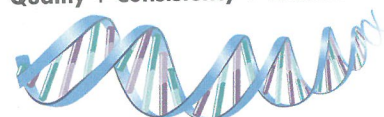




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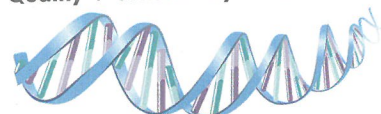
| Sr. No | Cat No.  | Description                                           | Pack Size  | Company           | Qty | Unit Price (PKR) | GST 18% / Exempted | Unit Price Inc GST | Total Price (PKR) |
|--------|----------|-------------------------------------------------------|------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 71     | 4371353  | TaqMan™ Genotyping Master Mix                         | (1x1 mL)   | Thermo Scientific | 1   | 52,992           | -                  | 52,992             | 52,992            |
| 72     | K0761    | GeneJET Whole Blood RNA Purification Mini Kit         | 50 preps   | Thermo Scientific | 1   | 67,000           | -                  | 67,000             | 67,000            |
| 73     | K0731    | GeneJET RNA Purification Kit                          | 50 preps   | Thermo Scientific | 1   | 58,000           | -                  | 58,000             | 58,000            |
| 74     | K0171    | PCR Master Mix (2X)                                   | 200 rxns   | Thermo Scientific | 1   | 19,500           | -                  | 19,500             | 19,500            |
| 75     | ER0521   | KpnI, HC (50 U/μL)                                    | 4000 U     | Thermo Scientific | 1   | 23,040           | -                  | 23,040             | 23,040            |
| 76     | ER1022   | BstXI (10 U/μL)                                       | 2,500 U    | Thermo Scientific | 1   | 68,352           | -                  | 68,352             | 68,352            |
| 77     | ER0422   | Eco147I (StuI) (10 U/μL)                              | 5,000 U    | Thermo Scientific | 1   | 123,648          | -                  | 123,648            | 123,648           |
| 78     | ER0722   | BclI (10 U/μL)                                        | 5,000 U    | Thermo Scientific | 1   | 43,776           | -                  | 43,776             | 43,776            |
| 79     | S00310   | Low Serum Growth Supplement (LSGS)                    | 10 mL      | Thermo Scientific | 1   | 41,472           | -                  | 41,472             | 41,472            |
| 80     | 12800017 | DMEM, powder, high glucose, pyruvate                  | 10 x 1 L   | Thermo Scientific | 1   | 28,000           | 5,040              | 33,040             | 33,040            |
| 81     | AM7020   | RNAlater™ Stabilization Solution                      | 100 mL     | Thermo Scientific | 1   | 42,240           | 7,603              | 49,843             | 49,843            |
| 82     | 88228    | HisPur™ Ni-NTA Spin Purification Kit, 1 mL            | 5 columns  | Thermo Scientific | 1   | 126,720          | -                  | 126,720            | 126,720           |
| 83     | ER1851   | HhaI (10 U/μL)                                        | 2,000 U    | Thermo Scientific | 1   | 23,040           | -                  | 23,040             | 23,040            |
| 84     | F530L    | Phusion™ High-Fidelity DOne Unit Polymerase (2 U/μL)  | 500 U      | Thermo Scientific | 1   | 136,000          | -                  | 136,000            | 136,000           |
| 85     | FD1253   | FastDigest BcuI                                       | 20 react   | Thermo Scientific | 1   | 11,136           | -                  | 11,136             | 11,136            |
| 86     | ER1031   | KspAI (HpaI) (10 U/μL)                                | 500 U      | Thermo Scientific | 1   | 28,416           | -                  | 28,416             | 28,416            |
| 87     | ER0561   | MluI (10 U/μL)                                        | 1,000 U    | Thermo Scientific | 1   | 30,336           | -                  | 30,336             | 30,336            |
| 88     | K182001  | PureLink™ Genomic DNA Mini Kit                        | 50 preps   | Thermo Scientific | 1   | 65,000           | -                  | 65,000             | 65,000            |
| 89     | K0791    | GeneJET Plant Genomic DNA Purification Kit            | 50 preps   | Thermo Scientific | 1   | 32,179           | -                  | 32,179             | 32,179            |
| 90     | K0781    | GeneJET Whole Blood Genomic DNA Purification Mini Kit | 50 preps   | Thermo Scientific | 1   | 37,178           | -                  | 37,178             | 37,178            |
| 91     | EN0521   | DNase I, RNase-free                                   | 1,000 U    | Thermo Scientific | 1   | 24,500           | -                  | 24,500             | 24,500            |
| 92     | EN0531   | RNase A, DNase and protease-free                      | 10 mg      | Thermo Scientific | 1   | 16,000           | -                  | 16,000             | 16,000            |
| 93     | SM0313   | GeneRuler 1 kb DNA Ladder, ready-to-use,              | (5x50 μg)  | Thermo Scientific | 1   | 24,000           | -                  | 24,000             | 24,000            |
| 94     | R0611    | DNA Gel Loading Dye (6X)                              | (5x1.0 mL) | Thermo Scientific | 1   | 15,000           | -                  | 15,000             | 15,000            |
| 95     | FD0054   | FastDigest BamHI                                      | 800 rxns   | Thermo Scientific | 1   | 23,885           | -                  | 23,885             | 23,885            |
| 96     | FD1014   | FastDigest BpiI (IIs class)                           | 20 rxns    | Thermo Scientific | 1   | 17,664           | -                  | 17,664             | 17,664            |
| 97     | FD0083   | FastDigest BglII                                      | 100 rxns   | Thermo Scientific | 1   | 13,056           | -                  | 13,056             | 13,056            |
| 98     | FD0274   | FastDigest EcoRI                                      | 800 rxns   | Thermo Scientific | 1   | 26,112           | -                  | 26,112             | 26,112            |
| 99     | FD0504   | FastDigest HindIII                                    | 800 rxns   | Thermo Scientific | 1   | 19,968           | -                  | 19,968             | 19,968            |



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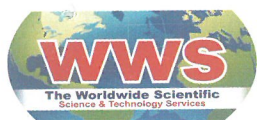
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|--------|----------|-----------------------------------------------------|-------------------------------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 100    | FD0394   | FastDigest Eco91I                                   | 200 rxns                            | Thermo Scientific | 1   | 23,808           | -                  | 23,808             | 23,808            |
| 101    | K1232    | CloneJET™ PCR Cloning Kit                           | 40 rxns                             | Thermo Scientific | 1   | 99,840           | -                  | 99,840             | 99,840            |
| 102    | K1641    | Maxima First Strand cDNA Synthesis Kit for RT-qPCR  | 50 rxns                             | Thermo Scientific | 1   | 150,528          | -                  | 150,528            | 150,528           |
| 103    | K0481    | GeneJET Plasmid Midiprep Kit                        | 25 Prep's                           | Thermo Scientific | 1   | 66,816           | -                  | 66,816             | 66,816            |
| 104    | ER0231   | Eam1104I (EarI) (10 U/μL)                           | 300 U                               | Thermo Scientific | 1   | 19,968           | -                  | 19,968             | 19,968            |
| 105    | ER0311   | Eco47I (AvaI) (10 U/μL)                             | 800 U                               | Thermo Scientific | 1   | 13,056           | -                  | 13,056             | 13,056            |
| 106    | K1031BID | Luminaris Color HRM qPCR Master Mix                 | 250 rxns                            | Thermo Scientific | 1   | 65,280           | -                  | 65,280             | 65,280            |
| 107    | ER0591   | NotI (10 U/μL)                                      | 300 U                               | Thermo Scientific | 1   | 19,968           | -                  | 19,968             | 19,968            |
| 108    | FD2144   | FastDigest FokI                                     | 100 rxns                            | Thermo Scientific | 1   | 29,184           | -                  | 29,184             | 29,184            |
| 109    | AM2544   | Proteinase K                                        | 500 mg                              | Thermo Scientific | 1   | 198,912          | -                  | 198,912            | 198,912           |
| 110    | FD0583   | FastDigest NdeI                                     | 100 rxns                            | Thermo Scientific | 1   | 24,192           | -                  | 24,192             | 24,192            |
| 111    | FD0694   | FastDigest XhoI                                     | 400 rxns                            | Thermo Scientific | 1   | 20,736           | -                  | 20,736             | 20,736            |
| 112    | EO0381   | RiboLock™ RNase Inhibitor                           | 2500 U                              | Thermo Scientific | 1   | 23,501           | -                  | 23,501             | 23,501            |
| 113    | ER0291   | Eco31I (BsaI) (10 U/μL)                             | 1,000 U                             | Thermo Scientific | 1   | 24,576           | -                  | 24,576             | 24,576            |
| 114    | ER0501   | HindIII (10 U/μL)                                   | 5,000 U                             | Thermo Scientific | 1   | 13,517           | -                  | 13,517             | 13,517            |
| 115    | EK0031   | T4 Polynucleotide Kinase (10 U/μL)                  | 500 U                               | Thermo Scientific | 1   | 17,018           | -                  | 17,018             | 17,018            |
|        | 12557013 | PB-MAX™ Karyotyping Medium                          | 100 mL                              | Thermo Scientific | 1   | 19,000           | -                  | 19,000             | 19,000            |
| 116    | AM1836   | MagMAX™-96 Viral RNA Isolation Kit                  | 96 Wells                            | Thermo Scientific | 1   | 147,456          | -                  | 147,456            | 147,456           |
| 117    | A15299   | TaqPath™ 1-Step RT-qPCR Master Mix, CG (5x1 mL)     | (5x1 mL)                            | Thermo Scientific | 1   | 480,000          | -                  | 480,000            | 480,000           |
| 118    | 12536017 | Gateway™ pDONR™221 Vector                           | 6 μg                                | Thermo Scientific | 1   | 130,560          | -                  | 130,560            | 130,560           |
| 119    | 4427975  | TaqMan™ MicroRNA Assay                              | S (50 RT/150 PCR rxns), Inventoried | Thermo Scientific | 1   | 168,960          | -                  | 168,960            | 168,960           |
| 120    | F534L    | Phusion Green High-Fidelity DNA Polymerase          | 500 U                               | Thermo Scientific | 1   | 198,912          | -                  | 198,912            | 198,912           |
| 121    | Q32855   | Qubit™ RNA HS Assay Kit                             | 500 assays                          | Thermo Scientific | 1   | 109,824          | -                  | 109,824            | 109,824           |
| 122    | Q32854   | Qubit™ dsDNA HS Assay Kit                           | 500 assays                          | Thermo Scientific | 1   | 127,488          | -                  | 127,488            | 127,488           |
| 123    | SM0244   | GeneRuler 100 bp DNA Ladder, ready-to-use (5x50 μg) | (5x50 μg)                           | Thermo Scientific | 1   | 124,416          | -                  | 124,416            | 124,416           |
| 124    | Q33221   | Qubit™ RNA IQ Assay Kits                            | 75 assays                           | Thermo Scientific | 1   | 67,584           | -                  | 67,584             | 67,584            |
| 125    | AM9935   | RT-PCR Grade Water                                  | (10x1.5 mL)                         | Thermo Scientific | 1   | 66,186           | -                  | 66,186             | 66,186            |
| 126    | AM9788   | RNaseZap™ RNase Decontamination Wipes Refill        | 300 Sheets                          | Thermo Scientific | 1   | 126,720          | 22,810             | 149,530            | 149,530           |

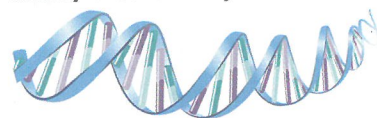




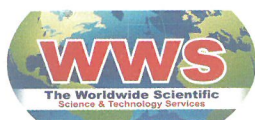
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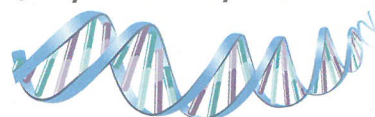


| Sr. No | Cat No.     | Description                                             | Pack Size    | Company           | Qty | Unit Price (PKR) | GST 18% / Exempted | Unit Price Inc GST | Total Price (PKR) |
|--------|-------------|---------------------------------------------------------|--------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 127    | 11550043    | Ham's F-10 Nutrient Mix                                 | 500 mL       | Thermo Scientific | 1   | 13,056           | 2,350              | 15,406             | 15,406            |
| 128    | 18080093    | SuperScript™ III Reverse Transcriptase                  | 2,000 U      | Thermo Scientific | 1   | 62,845           | -                  | 62,845             | 62,845            |
| 129    | 12183018A   | PureLink™ RNA Mini Kit                                  | 50 preps     | Thermo Scientific | 1   | 96,768           | -                  | 96,768             | 96,768            |
| 130    | A29248      | rhLaminin-521                                           | 100 µg       | Thermo Scientific | 1   | 25,644           | -                  | 25,644             | 25,644            |
| 131    | ER1831      | Hin1III (NlaIII) (5 U/µL)                               | 300 U        | Thermo Scientific | 1   | 19,584           | -                  | 19,584             | 19,584            |
| 132    | K0503       | GeneJET Plasmid Miniprep Kit                            | 250 preps    | Thermo Scientific | 1   | 58,000           | -                  | 58,000             | 58,000            |
| 133    | K0512       | Genomic DNA Purification Kit                            | 100 preps    | Thermo Scientific | 1   | 47,000           | -                  | 47,000             | 47,000            |
| 134    | 4374966     | High-Capacity cDNA Reverse Transcription Kit            | 200 rxns     | Thermo Scientific | 1   | 326,400          | -                  | 326,400            | 326,400           |
| 135    | 4440044     | TaqMan™ Universal Master Mix II, with UNG               | (2x5 mL)     | Thermo Scientific | 1   | 395,520          | -                  | 395,520            | 395,520           |
| 136    | 4472908     | SYBR™ Select Master Mix                                 | (1x5 mL)     | Thermo Scientific | 1   | 152,832          | -                  | 152,832            | 152,832           |
| 137    | AM1560      | miRNA Isolation Kit, with phenol                        | 40 Preps     | Thermo Scientific | 1   | 251,136          | -                  | 251,136            | 251,136           |
| 138    | K157001     | PureLink™ miRNA Isolation Kit                           | 25 Prep's    | Thermo Scientific | 1   | 149,760          | -                  | 149,760            | 149,760           |
| 139    | 88281       | Pierce™ Primary Cardiomyocyte Isolation Kit             | 1 L          | Thermo Scientific | 1   | 214,272          | -                  | 214,272            | 214,272           |
| 140    | KAC1211     | IL-1 beta Human ELISA Kit                               | 96 Tests     | Thermo Scientific | 1   | 252,672          | -                  | 252,672            | 252,672           |
| 141    | EHTNFRSF11A | Rank (TNFRSF11A) Human ELISA Kit                        | 96 Tests     | Thermo Scientific | 1   | 244,992          | -                  | 244,992            | 244,992           |
| 142    | 65-0853-39  | eBioscience™ Calcein AM Viability Dye (UltraPure Grade) | 1 mg         | Thermo Scientific | 1   | 45,312           | 8,156              | 53,468             | 53,468            |
| 143    | B49         | TAE Buffer (Tris-acetate-EDTA) (50X)                    | 1 L          | Thermo Scientific | 1   | 27,000           | 4,860              | 31,860             | 31,860            |
| 144    | 89900       | RIPA Lysis and Extraction Buffer                        | 100 mL       | Thermo Scientific | 1   | 33,792           | 6,083              | 39,875             | 39,875            |
| 145    | EIASODC     | Superoxide Dismutase (SOD) Colorimetric Activity Kit    | (2x96 tests) | Thermo Scientific | 1   | 199,680          | -                  | 199,680            | 199,680           |
| 146    | EL0011      | T4 DNA Ligase (5 U/µL)                                  | 1,000 U      | Thermo Scientific | 1   | 30,720           | -                  | 30,720             | 30,720            |
| 147    | V13154      | CyQUANT™ MTT Cell Viability Assay                       | 1,000 assays | Thermo Scientific | 1   | 155,136          | -                  | 155,136            | 155,136           |
| 148    | K0221       | Maxima SYBR Green/ROX qPCR Master Mix (2X)              | 200 rxns     | Thermo Scientific | 1   | 29,500           | -                  | 29,500             | 29,500            |
| 149    | ER0681      | XbaI (10 U/µL)                                          | 1,500 U      | Thermo Scientific | 1   | 11,904           | -                  | 11,904             | 11,904            |
| 150    | ER0361      | Eco721 (PmlI) (10 U/µL)                                 | 2,000 U      | Thermo Scientific | 1   | 26,880           | -                  | 26,880             | 26,880            |
| 151    | ER0571      | NcoI (10 U/µL)                                          | 500 U        | Thermo Scientific | 1   | 26,880           | -                  | 26,880             | 26,880            |
| 152    | ER0071      | BglII (10 U/µL)                                         | 2,000 U      | Thermo Scientific | 1   | 28,416           | -                  | 28,416             | 28,416            |
| 153    | SM1331      | GeneRuler 1 kb Plus DOne Unit Ladder                    | 5 x 50 µg    | Thermo Scientific | 1   | 51,456           | -                  | 51,456             | 51,456            |
| 154    | R0441       | ATP Solution (100 mM)                                   | 0.25 mL      | Thermo Scientific | 1   | 15,360           | 2,765              | 18,125             | 18,125            |
| 155    | K0662       | Biotin Chromogenic Detection Kit                        | 30 rxns      | Thermo Scientific | 1   | 46,080           | -                  | 46,080             | 46,080            |



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|--------|----------|----------------------------------------------------------------|---------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 156    | FD0514   | FastDigest HpaII                                               | 200 rxns      | Thermo Scientific | 1   | 20,736           | -                  | 20,736             | 20,736            |
| 157    | ER2041   | BspOI (BmtI) (10 U/μL)                                         | 200 U         | Thermo Scientific | 1   | 18,432           | -                  | 18,432             | 18,432            |
| 158    | 10565018 | DMEM/F-12, GlutaMAX™ supplement                                | 500 mL        | Thermo Scientific | 1   | 12,288           | 2,212              | 14,500             | 14,500            |
| 159    | 14200075 | DPBS (10X), no calcium, no magnesium                           | 500 mL        | Thermo Scientific | 1   | 19,968           | -                  | 19,968             | 19,968            |
| 160    | K1441    | EpiJET DNA Methylation Analysis Kit (MspI/HpaII)               | 200 rxns      | Thermo Scientific | 1   | 44,544           | -                  | 44,544             | 44,544            |
| 161    | KHO1001  | Life Technologies APO BRDU (Tunel) Kit                         | 60 Tests      | Thermo Scientific | 1   | 254,976          | -                  | 254,976            | 254,976           |
| 162    | ER0821   | MboII (5 U/μL)                                                 | 300 U         | Thermo Scientific | 1   | 24,576           | -                  | 24,576             | 24,576            |
| 163    | K1082    | DreamTaq Green PCR Master Mix (2X)                             | 1000 rxns     | Thermo Scientific | 1   | 89,000           | -                  | 89,000             | 89,000            |
| 164    | 11732088 | SuperScript™ III Platinum™ One-Step qRT-PCR Kit                | 500 rxns      | Thermo Scientific | 1   | 661,440          | -                  | 661,440            | 661,440           |
| 165    | 28363    | Pierce™ Concentrated Buffer Stocks (10X and 20X)               | 1 L           | Thermo Scientific | 1   | 30,720           | -                  | 30,720             | 30,720            |
| 166    | 15240096 | Antibiotic-Antimycotic (100X)                                  | 20 mL         | Thermo Scientific | 1   | 9,216            | -                  | 9,216              | 9,216             |
| 167    | 87786    | Halt™ Protease Inhibitor Cocktail (100X)                       | 1 mL          | Thermo Scientific | 1   | 34,560           | -                  | 34,560             | 34,560            |
| 168    | 4387936  | Nuclease-Free Water (not DEPC-Treated)                         | 4 x 1,000 mL  | Thermo Scientific | 1   | 23,000           | -                  | 23,000             | 23,000            |
| 169    | 23285    | Pierce™ Quantitative Peroxide Assay Kit (Lipid)                | 100 mL        | Thermo Scientific | 1   | 65,280           | -                  | 65,280             | 65,280            |
| 170    | 26619    | PageRuler™ Plus Prestained Protein Ladder, 10 to 250 kDa       | (2x250 μL)    | Thermo Scientific | 1   | 64,512           | -                  | 64,512             | 64,512            |
| 171    | 32209    | Pierce™ ECL Western Blotting Substrate                         | 250 mL        | Thermo Scientific | 1   | 75,802           | -                  | 75,802             | 75,802            |
| 172    | A14700   | Vitronectin (VTN-N) RecombiOne Unitnt Human Protein, Truncated | 1 mL = 0.5 mg | Thermo Scientific | 1   | 23,040           | -                  | 23,040             | 23,040            |
| 173    | BMS213-2 | IL-6 Human ELISA Kit                                           | 96 tests      | Thermo Scientific | 1   | 148,224          | -                  | 148,224            | 148,224           |
| 174    | ER0142   | Bsu15I (ClaI) (10 U/μL)                                        | 3,000 U       | Thermo Scientific | 1   | 86,016           | -                  | 86,016             | 86,016            |
| 175    | ER0322   | Eco47III (AfeI) (10 U/μL)                                      | 1,000 U       | Thermo Scientific | 1   | 163,584          | -                  | 163,584            | 163,584           |
| 176    | ER0522   | KpnI (10 U/μL)                                                 | 5 x 4,000 U   | Thermo Scientific | 1   | 126,720          | -                  | 126,720            | 126,720           |
| 177    | ER0572   | NcoI (10 U/μL)                                                 | 2,500 U       | Thermo Scientific | 1   | 77,568           | -                  | 77,568             | 77,568            |
| 178    | ER0582   | NdeI (10 U/μL)                                                 | 2,500 U       | Thermo Scientific | 1   | 58,368           | -                  | 58,368             | 58,368            |
| 179    | ER0612   | PstI (10 U/μL)                                                 | 5 x 3,000 U   | Thermo Scientific | 1   | 40,704           | -                  | 40,704             | 40,704            |
| 180    | ER0992   | AatII (10 U/μL)                                                | 1,500 U       | Thermo Scientific | 1   | 76,032           | -                  | 76,032             | 76,032            |
| 181    | ER1531   | Pdml (XmnI) (10 U/μL)                                          | 500 U         | Thermo Scientific | 1   | 20,736           | -                  | 20,736             | 20,736            |
| 182    | ER1571   | Hpy8I (MjaIV) (10 U/μL)                                        | 200 U         | Thermo Scientific | 1   | 35,328           | -                  | 35,328             | 35,328            |
| 183    | FD0674   | FastDigest TaqI                                                | 400 rxns      | Thermo Scientific | 1   | 29,952           | -                  | 29,952             | 29,952            |
| 184    | FD0964   | FastDigest MvaI269I (IIs class)                                | 50 rxns       | Thermo Scientific | 1   | 39,936           | -                  | 39,936             | 39,936            |

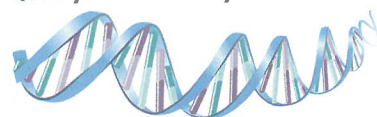




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|--------|---------|-----------------------------------------------------------------------------------|-----------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 185    | FD1414  | FastDigest Apal                                                                   | 300 rxns  | Thermo Scientific | 1   | 23,040           | -                  | 23,040             | 23,040            |
| 186    | K0251   | Maxima SYBR Green qPCR Master Mix (2X), with separate ROX vial                    | 200 rxns  | Thermo Scientific | 1   | 69,888           | -                  | 69,888             | 69,888            |
| 187    | K0691   | GeneJET Gel Extraction Kit                                                        | 50 preps  | Thermo Scientific | 1   | 18,700           | -                  | 18,700             | 18,700            |
| 188    | K0831   | GeneJET Gel Extraction and DNA Cleanup Micro Kit                                  | 50 preps  | Thermo Scientific | 1   | 39,168           | -                  | 39,168             | 39,168            |
| 189    | AM7021  | RNAlater™ Stabilization Solution                                                  | 500 mL    | Thermo Scientific | 1   | 156,288          | 28,132             | 184,420            | 184,420           |
| 190    | 31490   | Horseradish Peroxidase                                                            | 10 mg     | Thermo Scientific | 1   | 43,008           | 7,741              | 50,749             | 50,749            |
| 191    | 4368577 | Power SYBR™ Green PCR Master Mix                                                  | (1x1 mL)  | Thermo Scientific | 1   | 55,296           | -                  | 55,296             | 55,296            |
| 192    | EIAHCOR | Cortisol Competitive Human ELISA Kit                                              | 96 Tests  | Thermo Scientific | 1   | 167,424          | -                  | 167,424            | 167,424           |
| 193    | F432    | Fluorescein Phalloidin                                                            | 300 U     | Thermo Scientific | 1   | 301,056          | -                  | 301,056            | 301,056           |
| 194    | FD0144  | FastDigest Bsu151                                                                 | 100 rxns  | Thermo Scientific | 1   | 32,256           | -                  | 32,256             | 32,256            |
| 195    | FD0884  | FastDigest BseNI                                                                  | 100 rxns  | Thermo Scientific | 1   | 34,944           | -                  | 34,944             | 34,944            |
| 196    | A39390  | EquiPhi29™ DNA Polymerase                                                         | 250 U     | Thermo Scientific | 1   | 26,880           | -                  | 26,880             | 26,880            |
| 197    | A22182  | Invitrogen™ Amplex™ Red Xanthine/Xanthine Oxidase Assay Kit                       | Each      | Thermo Scientific | 1   | 183,552          | -                  | 183,552            | 183,552           |
| 198    | ER2202  | PacI (10 U/μL)                                                                    | 1250 U    | Thermo Scientific | 1   | 95,232           | -                  | 95,232             | 95,232            |
| 199    | A46624  | Invitrogen™ GeneArt™ Gibson Assembly HiFi Cloning Kit, chemically competent cells | 10 rxns   | Thermo Scientific | 1   | 58,368           | -                  | 58,368             | 58,368            |
| 200    | ER0191  | Cfr131 (Sau96I) (10 U/μL)                                                         | 1000 U    | Thermo Scientific | 1   | 26,112           | -                  | 26,112             | 26,112            |
| 201    | AM1345  | Invitrogen™ mMACHINE™ T7 ULTRA Transcription Kit                                  | 10 rxns   | Thermo Scientific | 1   | 251,136          | -                  | 251,136            | 251,136           |
| 202    | ER1121  | RsaI (10 U/μL)                                                                    | 1,000 U   | Thermo Scientific | 1   | 21,504           | -                  | 21,504             | 21,504            |
| 203    | ER1351  | TasI (Tsp509I) (10 U/μL)                                                          | 1,000 U   | Thermo Scientific | 1   | 23,040           | -                  | 23,040             | 23,040            |
| 204    | ER1891  | SgsI (AscI) (10 U/μL)                                                             | 300 U     | Thermo Scientific | 1   | 15,360           | -                  | 15,360             | 15,360            |
| 205    | ER1241  | SmiI (SwaI) (10 U/μL)                                                             | 1,000 U   | Thermo Scientific | 1   | 21,120           | -                  | 21,120             | 21,120            |
| 206    | ER0171  | Cfr9I (XmaI) (10 U/μL)                                                            | 300 U     | Thermo Scientific | 1   | 19,968           | -                  | 19,968             | 19,968            |
| 207    | K156002 | PureLink™ FFPE RNA Isolation Kit                                                  | 50 preps  | Thermo Scientific | 1   | 142,848          | -                  | 142,848            | 142,848           |
| 208    | ER0981  | Tru1I (MseI) (10 U/μL)                                                            | 300 U     | Thermo Scientific | 1   | 21,504           | -                  | 21,504             | 21,504            |
| 209    | AM1908  | MEGAclear™ Transcription Clean-Up Kit                                             | 20 preps  | Thermo Scientific | 1   | 76,032           | -                  | 76,032             | 76,032            |
| 210    | ER0691  | XhoI (10 U/μL)                                                                    | 2000 U    | Thermo Scientific | 1   | 14,108           | -                  | 14,108             | 14,108            |
| 211    | K202020 | TA Cloning™ Kit, with pCR™2.1 Vector, without competent cells                     | 20 rxns   | Thermo Scientific | 1   | 94,464           | -                  | 94,464             | 94,464            |

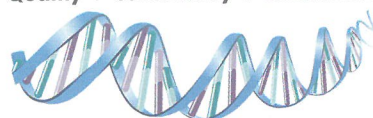




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|--------|----------|-----------------------------------------------------------------|--------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 212    | A29790   | PureLink™ Microbiome DNA Purification Kit                       | 50 Prep's    | Thermo Scientific | 1   | 105,984          | -                  | 105,984            | 105,984           |
| 213    | SM0241   | GeneRuler 100 bp DOne Unit Ladder                               | 50 µg        | Thermo Scientific | 1   | 251,758          | -                  | 251,758            | 251,758           |
| 214    | PV4748   | LanthaScreen™ TR-FRET BACE1 Assay Kit (800x20 µL)               |              | Thermo Scientific | 1   | 300,334          | -                  | 300,334            | 300,334           |
| 215    | Q32850   | Qubit™ dsDNA BR Assay Kit                                       | 100 assays   | Thermo Scientific | 1   | 46,464           | -                  | 46,464             | 46,464            |
| 216    | R0492    | TopVision Agarose                                               | 500 g        | Thermo Scientific | 1   | 45,000           | 8,100              | 53,100             | 53,100            |
| 217    | ER0301   | Eco32I (EcoRV) (10 U/µL)                                        | 2,000 U      | Thermo Scientific | 1   | 26,880           | -                  | 26,880             | 26,880            |
| 218    | ER0801   | HinII (10 U/µL)                                                 | 2,000 U      | Thermo Scientific | 1   | 12,288           | -                  | 12,288             | 12,288            |
| 219    | R0481    | NTP Set, 100 mM Solution                                        | (4x0.25 mL)  | Thermo Scientific | 1   | 30,720           | -                  | 30,720             | 30,720            |
| 220    | C0135C   | Gibco™ Human Dermal Fibroblasts, adult (HDFa)                   | 01 Vial      | Thermo Scientific | 1   | 199,680          | -                  | 199,680            | 199,680           |
| 221    | 21870076 | Gibco™ RPMI 1640 Medium, no glutamine                           | 500 mL       | Thermo Scientific | 1   | 130,556          | 23,500             | 154,056            | 154,056           |
| 222    | EP0113   | T7 RNA Polymerase, HC (200 U/µL)                                | 25,000 U     | Thermo Scientific | 1   | 75,264           | -                  | 75,264             | 75,264            |
| 223    | AM2694   | SUPERase•In™ RNase Inhibitor                                    | 2,500 U      | Thermo Scientific | 1   | 100,608          | -                  | 100,608            | 100,608           |
| 224    | ER0971   | NheI (10 U/µL)                                                  | 500 U        | Thermo Scientific | 1   | 22,272           | -                  | 22,272             | 22,272            |
| 225    | K202040  | TA Cloning™ Kit, with pCR™2.1 Vector, without competent cells   | 40 rxns      | Thermo Scientific | 1   | 157,440          | -                  | 157,440            | 157,440           |
| 226    | 15567027 | UltraPure™ 1 M Tris-HCl Buffer, pH 7.5                          | 1 L          | Thermo Scientific | 1   | 37,632           | 6,774              | 44,406             | 44,406            |
| 227    | K0881    | GeneJET FFPE DNA Purification Kit                               | 50 preps     | Thermo Scientific | 1   | 64,512           | -                  | 64,512             | 64,512            |
| 228    | ER0531   | Kpn2I (BspEI) (10 U/µL)                                         | 500 U        | Thermo Scientific | 1   | 21,504           | -                  | 21,504             | 21,504            |
| 229    | 23227    | Pierce™ BCA Protein Assay Kit                                   | 500 mL       | Thermo Scientific | 1   | 45,312           | -                  | 45,312             | 45,312            |
| 230    | ELACATC  | Catalase Colorimetric Activity Kit                              | (2x96 Tests) | Thermo Scientific | 1   | 145,920          | -                  | 145,920            | 145,920           |
| 231    | Q32851   | Qubit™ dsDNA Unit HS Assay Kit                                  | 100 assays   | Thermo Scientific | 1   | 46,464           | -                  | 46,464             | 46,464            |
| 232    | SM0241   | GeneRuler 100 bp DOne Unit Ladder                               | 50 µg        | Thermo Scientific | 1   | 18,816           | -                  | 18,816             | 18,816            |
| 233    | 4380204  | Tempus™ Spin RNA Isolation Kit                                  | 50 Preps     | Thermo Scientific | 1   | 148,730          | -                  | 148,730            | 148,730           |
| 234    | C10617   | Click-iT™ Plus TUNEL Assay Kits for In Situ Apoptosis Detection | 1 Kit        | Thermo Scientific | 1   | 165,166          | -                  | 165,166            | 165,166           |
| 235    | 10828010 | Gibco™ KnockOut™ Serum Replacement                              | 100 mL       | Thermo Scientific | 1   | 39,936           | 7,188              | 47,124             | 47,124            |
| 236    | 12185010 | PureLink™ DNase Set                                             | 50 Preps     | Thermo Scientific | 1   | 46,080           | -                  | 46,080             | 46,080            |
| 237    | A32955   | Pierce™ Protease Inhibitor Mini Tablets, EDTA-free              | 30 Tablets   | Thermo Scientific | 1   | 50,688           | 9,124              | 59,812             | 59,812            |
| 238    | CMA00015 | Lipofectamine™ CRISPRMAX™ Cas9 Transfection Reagent             | 1.5 mL       | Thermo Scientific | 1   | 269,568          | -                  | 269,568            | 269,568           |
| 239    | PHG0194  | Gibco™ Human FGF-9 Recombinant Protein                          | 20 µg        | Thermo Scientific | 1   | 178,944          | -                  | 178,944            | 178,944           |



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|--------|----------|-----------------------------------------------------|-----------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 240    | A25742   | PowerUp™ SYBR™ Green Master Mix                     | 5 mL      | Thermo Scientific | 1   | 142,080          | -                  | 142,080            | 142,080           |
| 241    | 12091021 | PureLink™ RNase A (20 mg/mL)                        | 10 mL     | Thermo Scientific | 1   | 76,032           | -                  | 76,032             | 76,032            |
| 242    | 11913019 | CD 293                                              | 1000 mL   | Thermo Scientific | 1   | 50,688           | -                  | 50,688             | 50,688            |
| 243    | FD0524   | FastDigest KpnI                                     | 300 rxns  | Thermo Scientific | 1   | 23,808           | -                  | 23,808             | 23,808            |
| 244    | K2561    | Maxima H Minus Double-Stranded cDNA Synthesis Kit   | 10 rxns   | Thermo Scientific | 1   | 215,040          | -                  | 215,040            | 215,040           |
| 245    | 12368010 | Platinum™ SuperFi II PCR Master Mix                 | 100 rxns  | Thermo Scientific | 1   | 121,344          | -                  | 121,344            | 121,344           |
| 246    | 11732020 | SuperScript™ III Platinum™ One-Step qRT-PCR Kit     | 100 rxns  | Thermo Scientific | 1   | 301,824          | -                  | 301,824            | 301,824           |
| 247    | 31460    | Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP  | 2 mL      | Thermo Scientific | 1   | 116,736          | -                  | 116,736            | 116,736           |
| 248    | G7921    | Griess Reagent Kit, for nitrite quantitation        | 01 Kit    | Thermo Scientific | 1   | 114,432          | -                  | 114,432            | 114,432           |
| 249    | 88527    | Pierce™ Protein Concentrator PES, 10K MWCO, 5-20 mL | 10 rxns   | Thermo Scientific | 1   | 73,920           | 13,306             | 87,226             | 87,226            |
| 250    | 12604013 | TrypLE™ Express Enzyme (1X), no phenol red          | 100 mL    | Thermo Scientific | 1   | 12,480           | 2,246              | 14,726             | 14,726            |
| 251    | 88221    | HisPur™ Ni-NTA Resin                                | 10 mL     | Thermo Scientific | 1   | 60,480           | 10,886             | 71,366             | 71,366            |
| 252    | 10010023 | PBS, pH 7.4                                         | 500 mL    | Thermo Scientific | 1   | 12,480           | 2,246              | 14,726             | 14,726            |
| 253    | 87785    | Halt™ Protease Inhibitor Cocktail, EDTA-Free (100X) | 1 mL      | Thermo Scientific | 1   | 50,880           | 9,158              | 60,038             | 60,038            |
| 254    | 12648010 | Recovery™ Cell Culture Freezing Medium              | 50 mL     | Thermo Scientific | 1   | 64,320           | 11,578             | 75,898             | 75,898            |
| 255    | PHC9514  | Human TPO (Thrombopoietin) Recombinant Protein      | 10 ug     | Thermo Scientific | 1   | 92,160           | 16,589             | 108,749            | 108,749           |
| 256    | 31600083 | DMEM, powder, low glucose, pyruvate                 | 10 L      | Thermo Scientific | 1   | 13,440           | 2,419              | 15,859             | 15,859            |
| 257    | 88527    | Pierce™ Protein Concentrator PES, 10K MWCO, 5-20 mL | 10 rxns   | Thermo Scientific | 1   | 137,280          | 24,710             | 161,990            | 161,990           |
| 258    | 70013032 | Gibco™ PBS (10X), pH 7.2                            | 500 mL    | Thermo Scientific | 1   | 18,240           | 3,283              | 21,523             | 21,523            |
| 259    | LC6060   | SimplyBlue™ SafeStain                               | 1 L       | Thermo Scientific | 1   | 90,240           | 16,243             | 106,483            | 106,483           |
| 260    | 11668019 | Lipofectamine™ 2000 Transfection Reagent            | 1.5 mL    | Thermo Scientific | 1   | 324,816          | -                  | 324,816            | 324,816           |
| 261    | R76107   | Flp-In™-3T3 Cell Line                               | 1 mL      | Thermo Scientific | 1   | 696,374          | 125,347            | 821,721            | 821,721           |
| 262    | 20012027 | PBS, pH 7.2                                         | 500 mL    | Thermo Scientific | 1   | 13,440           | 2,419              | 15,859             | 15,859            |
| 263    | Q32856   | Qubit™ Assay Tubes                                  | 500 tubes | Thermo Scientific | 1   | 47,000           | 8,460              | 55,460             | 55,460            |
| 264    | 29700    | Urea                                                | 1 kg      | Thermo Scientific | 1   | 24,000           | 4,320              | 28,320             | 28,320            |
| 265    | R0801    | TopVision Low Melting Point Agarose                 | 25 g      | Thermo Scientific | 1   | 57,600           | 10,368             | 67,968             | 67,968            |
| 266    | 88526    | Pierce™ Protein Concentrator PES, 3K MWCO, 5-20 mL  | 24 rxns   | Thermo Scientific | 1   | 138,240          | 24,883             | 163,123            | 163,123           |
| 267    | 88528    | Pierce™ Protein Concentrator PES, 10K MWCO, 5-20 mL | 24 rxns   | Thermo Scientific | 1   | 136,320          | 24,538             | 160,858            | 160,858           |

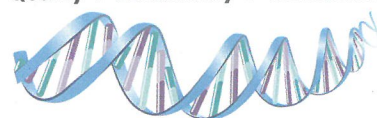




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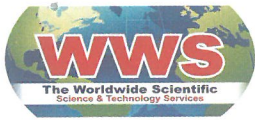
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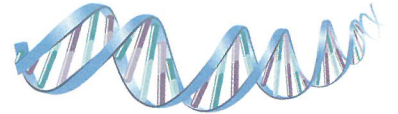
| Sr. No | Cat No.  | Description                                                         | Pack Size       | Company           | Qty | Unit Price (PKR) | GST 18% / Exempted | Unit Price Inc GST | Total Price (PKR) |
|--------|----------|---------------------------------------------------------------------|-----------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 268    | 88515    | Pierce™ Protein Concentrator PES, 3K MWCO, 2-6 mL                   | 24 rxns         | Thermo Scientific | 1   | 62,400           | 11,232             | 73,632             | 73,632            |
| 269    | A1049001 | MEM α, nucleosides, no ascorbic acid                                | 500 mL          | Thermo Scientific | 1   | 48,960           | 8,813              | 57,773             | 57,773            |
| 270    | A1033201 | StemPro™ MSC SFM                                                    | 1 Kit           | Thermo Scientific | 1   | 185,280          | 33,350             | 218,630            | 218,630           |
| 271    | 11111044 | Human Endothelial SFM                                               | 500 mL          | Thermo Scientific | 1   | 59,520           | 10,714             | 70,234             | 70,234            |
| 272    | 12585014 | Insulin, human recombiOne Unitnt, zinc solution                     | 5 mL            | Thermo Scientific | 1   | 47,040           | 8,467              | 55,507             | 55,507            |
| 273    | 15290026 | Amphotericin B                                                      | 50 mL           | Thermo Scientific | 1   | 19,200           | 3,456              | 22,656             | 22,656            |
| 274    | PHG0311  | Human EGF RecombiOne Unitnt Protein                                 | 100 µg          | Thermo Scientific | 1   | 97,920           | 17,626             | 115,546            | 115,546           |
| 275    | 11150059 | Medium 199, Earle's Salts                                           | 500 mL          | Thermo Scientific | 1   | 28,800           | 5,184              | 33,984             | 33,984            |
| 276    | 24020117 | HBSS, calcium, magnesium                                            | 500 mL          | Thermo Scientific | 1   | 15,360           | 2,765              | 18,125             | 18,125            |
| 277    | 88513    | Pierce™ Protein Concentrators PES, 10K MWCO, 0.5 mL                 | 25 concentrator | Thermo Scientific | 1   | 47,040           | 8,467              | 55,507             | 55,507            |
| 278    | 90058    | Pierce™ Trypsin Protease, MS Grade                                  | 5 x 100 µg      | Thermo Scientific | 1   | 178,560          | 32,141             | 210,701            | 210,701           |
| 279    | 34047    | PNPP Substrate Tablets                                              | 105 tablets     | Thermo Scientific | 1   | 70,080           | 12,614             | 82,694             | 82,694            |
| 280    | 10575090 | KaryoMAX™ Potassium Chloride Solution                               | 4 x 100 mL      | Thermo Scientific | 1   | 19,200           | 3,456              | 22,656             | 22,656            |
| 281    | 88222    | HisPur™ Ni-NTA Resin                                                | 100 mL          | Thermo Scientific | 1   | 833,280          | 149,990            | 983,270            | 983,270           |
| 282    | AB0558   | Adhesive PCR Plate Seals                                            | 100 sheets      | Thermo Scientific | 1   | 67,334           | 12,120             | 79,454             | 79,454            |
| 283    | 15140122 | Penicillin-Streptomycin                                             | 100 mL          | Thermo Scientific | 1   | 14,304           | 2,575              | 16,879             | 16,879            |
| 284    | 11860038 | Streptomycin Sulfate                                                | 100 g           | Thermo Scientific | 1   | 48,000           | 8,640              | 56,640             | 56,640            |
| 285    | 140652   | Nunc™ PolycarboOne Unitte Cell Culture Inserts in Multi-Well Plates | Case of 48      | Thermo Scientific | 1   | 261,120          | 47,002             | 308,122            | 308,122           |
| 286    | 20688    | Pierce™ Dimethylsulfoxide (DMSO), Sequencing Grade                  | 950 mL          | Thermo Scientific | 1   | 47,040           | 8,467              | 55,507             | 55,507            |
| 287    | A38554   | SuperSigOne Unitl™ West Atto Ultimate Sensitivity Substrate         | 20 mL           | Thermo Scientific | 1   | 91,200           | 16,416             | 107,616            | 107,616           |
| 288    | 10567014 | DMEM, low glucose, GlutaMAX™ Supplement, pyruvate                   | 500 mL          | Thermo Scientific | 1   | 16,224           | 2,920              | 19,144             | 19,144            |
| 289    | 85190    | Pierce™ Dimethylsulfoxide (DMSO), LC-MS Grade                       | 50 mL           | Thermo Scientific | 1   | 34,560           | 6,221              | 40,781             | 40,781            |
| 290    | 14080055 | DPBS (10X), calcium, magnesium                                      | 500 mL          | Thermo Scientific | 1   | 27,840           | 5,011              | 32,851             | 32,851            |
| 291    | 25030081 | L-Glutamine (200 mM)                                                | 100 mL          | Thermo Scientific | 1   | 11,520           | 2,074              | 13,594             | 13,594            |
| 292    | 11875093 | RPMI 1640 Medium                                                    | 500 mL          | Thermo Scientific | 1   | 13,440           | 2,419              | 15,859             | 15,859            |
| 293    | 10099141 | Gibco™ Fetal Bovine Serum, qualified, Australia                     | 500 mL          | Thermo Scientific | 1   | 950,400          | 171,072            | 1,121,472          | 1,121,472         |
| 294    | 15070063 | Penicillin-Streptomycin (5,000 U/mL)                                | 100 mL          | Thermo Scientific | 1   | 13,440           | 2,419              | 15,859             | 15,859            |
| 295    | 23209    | Pierce™ Bovine Serum Albumin Standard Ampules, 2 mg/mL              | (10 x 1 mL)     | Thermo Scientific | 1   | 43,200           | 7,776              | 50,976             | 50,976            |





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|--------|------------|----------------------------------------------------------|-----------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 296    | 62248      | DAPI Solution (1 mg/mL)                                  | 1 mL            | Thermo Scientific | 1   | 68,160           | 12,269             | 80,429             | 80,429            |
| 297    | 90057      | Pierce™ Trypsin Protease, MS Grade                       | 5 x 20 µg       | Thermo Scientific | 1   | 42,240           | 7,603              | 49,843             | 49,843            |
| 298    | 11360070   | Sodium Pyruvate (100 mM)                                 | 100 mL          | Thermo Scientific | 1   | 8,832            | 1,590              | 10,422             | 10,422            |
| 299    | 11965092   | DMEM, high glucose                                       | 500 mL          | Thermo Scientific | 1   | 11,616           | 2,091              | 13,707             | 13,707            |
| 300    | 35050061   | GlutaMAX™ Supplement                                     | 100 mL          | Thermo Scientific | 1   | 21,120           | 3,802              | 24,922             | 24,922            |
| 301    | 165305     | 96 Well Black/Clear Bottom Plate, TC Surface, Pack of 10 | Case of 30      | Thermo Scientific | 1   | 336,000          | 60,480             | 396,480            | 396,480           |
| 302    | 11960044   | DMEM, high glucose, no glutamine                         | 500 mL          | Thermo Scientific | 1   | 14,880           | 2,678              | 17,558             | 17,558            |
| 303    | A2858501   | Essential 8™ Flex Medium Kit                             | 1 kit           | Thermo Scientific | 1   | 214,080          | -                  | 214,080            | 214,080           |
| 304    | M33089     | Microplates for Fluorescence-based Assays, 96-well       | 10 plates       | Thermo Scientific | 1   | 81,600           | 14,688             | 96,288             | 96,288            |
| 305    | NW04122BOX | Bolt™ 4 to 12%, Bis-Tris, 1.0 mm, Mini Protein Gels      | 10 gels (1 box) | Thermo Scientific | 1   | 75,840           | 13,651             | 89,491             | 89,491            |
| 306    | V13246     | Annexin Binding Buffer (5X), for flow cytometry          | 50 mL           | Thermo Scientific | 1   | 42,240           | 7,603              | 49,843             | 49,843            |
| 307    | A1486701   | B-27™ Supplement, XenoFree                               | 10 mL           | Thermo Scientific | 1   | 95,040           | 17,107             | 112,147            | 112,147           |
| 308    | 25200056   | Trypsin-EDTA (0.25%), phenol red                         | 100 mL          | Thermo Scientific | 1   | 9,600            | 1,728              | 11,328             | 11,328            |
| 309    | PA5117507  | Rabies Virus Glycoprotein Polyclonal Antibody            | 100 µg          | Thermo Scientific | 1   | 195,840          | 35,251             | 231,091            | 231,091           |
| 310    | 10092013   | KaryoMAX™ Giemsa Stain Solution                          | 100 mL          | Thermo Scientific | 1   | 30,720           | 5,530              | 36,250             | 36,250            |
| 311    | 442404     | Clear Flat-Bottom Immuno Nonsterile 96-Well Plates       | 60/CS           | Thermo Scientific | 1   | 61,440           | 11,059             | 72,499             | 72,499            |
| 312    | 78431      | AESF Protease Inhibitor                                  | 100 mg          | Thermo Scientific | 1   | 56,640           | 10,195             | 66,835             | 66,835            |
| 313    | 32561037   | MEM α, GlutaMAX™ Supplement, no nucleosides              | 500 mL          | Thermo Scientific | 1   | 40,320           | 7,258              | 47,578             | 47,578            |
| 314    | 142475     | Nunc™ Cell-Culture Treated Multidishes                   | Case of 75      | Thermo Scientific | 1   | 87,360           | 15,725             | 103,085            | 103,085           |
| 315    | HC1001     | SureCast™ Glass Plates                                   | 2 sets          | Thermo Scientific | 1   | 51,840           | 9,331              | 61,171             | 61,171            |
| 316    | A1110501   | StemPro™ Accutase™ Cell Dissociation Reagent             | 100 mL          | Thermo Scientific | 1   | 37,440           | 6,739              | 44,179             | 44,179            |
| 317    | 12800017   | DMEM, powder, high glucose, pyruvate                     | 10 x 1 L        | Thermo Scientific | 1   | 26,880           | 4,838              | 31,718             | 31,718            |
| 318    | 17898      | Ethidium Bromide Solution (10 mg/mL)                     | (5 x 10 mL)     | Thermo Scientific | 1   | 68,160           | 12,269             | 80,429             | 80,429            |
| 319    | 12634010   | Advanced DMEM/F-12                                       | 500 mL          | Thermo Scientific | 1   | 14,400           | 2,592              | 16,992             | 16,992            |
| 320    | 88225      | HisPur™ Ni-NTA Spin Columns, 1 mL                        | 5 columns       | Thermo Scientific | 1   | 65,280           | 11,750             | 77,030             | 77,030            |
| 321    | R002100    | Trypsin Neutralizer Solution                             | 100 mL          | Thermo Scientific | 1   | 16,800           | 3,024              | 19,824             | 19,824            |
| 322    | L3000008   | Lipofectamine™ 3000 Transfection Reagent                 | 0.75 mL         | Thermo Scientific | 1   | 249,600          | -                  | 249,600            | 249,600           |
| 323    | 15575020   | UltraPure™ 0.5M EDTA, pH 8.0                             | (4x100 mL)      | Thermo Scientific | 1   | 57,600           | 10,368             | 67,968             | 67,968            |
| 324    | R0561      | Glycogen, molecular biology grade                        | (2x0.25 mL)     | Thermo Scientific | 1   | 33,600           | 6,048              | 39,648             | 39,648            |



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|--------|------------|--------------------------------------------------------------------------------|---------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 325    | 1425205    | Filters and Accessories for Thermo Scientific Multiskan™ FC Microplate Readers | Each          | Thermo Scientific | 1   | 288,000          | 51,840             | 339,840            | 339,840           |
| 326    | 1426505    | Filters and Accessories for Thermo Scientific Multiskan™ FC Microplate Readers | Each          | Thermo Scientific | 1   | 96,000           | 17,280             | 113,280            | 113,280           |
| 327    | 14190144   | DPBS, no calcium, no magnesium                                                 | 500 mL        | Thermo Scientific | 1   | 16,800           | 3,024              | 19,824             | 19,824            |
| 328    | 15400054   | Trypsin-EDTA (0.5%), no phenol red                                             | 100 mL        | Thermo Scientific | 1   | 33,600           | 6,048              | 39,648             | 39,648            |
| 329    | 23200      | Pierce™ Coomassie (Bradford) Protein Assay Kit                                 | 950 mL        | Thermo Scientific | 1   | 59,520           | 10,714             | 70,234             | 70,234            |
| 330    | 17018029   | CollageOne Unitise, Type I, powder                                             | 500 mg        | Thermo Scientific | 1   | 69,120           | 12,442             | 81,562             | 81,562            |
| 331    | 11320033   | DMEM/F-12                                                                      | 500 mL        | Thermo Scientific | 1   | 13,440           | 2,419              | 15,859             | 15,859            |
| 332    | 15250061   | Trypan Blue Solution, 0.4%                                                     | 100 mL        | Thermo Scientific | 1   | 8,592            | 1,547              | 10,139             | 10,139            |
| 333    | 88018      | Nitrocellulose Membrane, 0.45 µm, 30 cm x 3.5 m                                | 1 roll        | Thermo Scientific | 1   | 160,320          | 28,858             | 189,178            | 189,178           |
| 334    | 11269016   | AmnioMAX™-II Complete Medium                                                   | 100 mL        | Thermo Scientific | 1   | 36,480           | 6,566              | 43,046             | 43,046            |
| 335    | 31985062   | Opti-MEM™ I Reduced Serum Medium                                               | 100 mL        | Thermo Scientific | 1   | 12,480           | 2,246              | 14,726             | 14,726            |
| 336    | 11668027   | Lipofectamine™ 2000 Transfection Reagent                                       | 0.75 mL       | Thermo Scientific | 1   | 296,640          | -                  | 296,640            | 296,640           |
| 337    | 15504020-1 | UltraPure™ Tris (powder form)                                                  | 1 Kg          | Thermo Scientific | 1   | 37,248           | 6,705              | 43,953             | 43,953            |
| 338    | 15506017   | UltraPure™ Tris Hydrochloride                                                  | 500 g         | Thermo Scientific | 1   | 55,680           | 10,022             | 65,702             | 65,702            |
| 339    | 10576015   | Phytohemagglutinin, M form (PHA-M)                                             | 10 mL         | Thermo Scientific | 1   | 25,920           | 4,666              | 30,586             | 30,586            |
| 340    | 11151D     | Dynabeads™ CD3                                                                 | 5 mL          | Thermo Scientific | 1   | 355,200          | 63,936             | 419,136            | 419,136           |
| 341    | R415       | Rhodamine Phalloidin                                                           | 300 U         | Thermo Scientific | 1   | 254,400          | 45,792             | 300,192            | 300,192           |
| 342    | C10459     | OPP (O-propargyl-puromycin)                                                    | 5 mg          | Thermo Scientific | 1   | 184,800          | 87,264             | 572,064            | 572,064           |
| 343    | 17874      | Ammonium Persulfate                                                            | 4 x 25 g      | Thermo Scientific | 1   | 25,920           | 4,666              | 30,586             | 30,586            |
| 344    | 7002       | RNase AWAY™ Surface Decontaminant                                              | 6/Cs          | Thermo Scientific | 1   | 148,800          | 26,784             | 175,584            | 175,584           |
| 345    | A15652     | Gibco™ StemPro™ BM Mesenchymal Stem Cells                                      | (1x106 Cells) | Thermo Scientific | 1   | 417,600          | 75,168             | 492,768            | 492,768           |
| 346    | 14170112   | Gibco™ HBSS, no calcium, no magnesium                                          | 500 mL        | Thermo Scientific | 1   | 18,240           | 3,283              | 21,523             | 21,523            |
| 347    | F538L      | Phusion Green HF Buffer Pack                                                   | F538L         | Thermo Scientific | 1   | 19,200           | 3,456              | 22,656             | 22,656            |
| 348    | 10439024   | Gibco™ Embryonic stem-cell FBS, qualified, USDA-approved regions               | 500 mL        | Thermo Scientific | 1   | 710,400          | 127,872            | 838,272            | 838,272           |
| 349    | 31100019   | Gibco™ Medium 199, Earle's Salts, powder                                       | 50 L          | Thermo Scientific | 1   | 77,760           | 13,997             | 91,757             | 91,757            |
| 350    | 15576028   | UltraPure™ Ethylenediaminetetraacetic Acid, Disodium Salt, Dihydrate           | 500 g         | Thermo Scientific | 1   | 62,400           | 11,232             | 73,632             | 73,632            |
| 351    | 11575032   | MEM, Hanks' Balanced Salts                                                     | 500 mL        | Thermo Scientific | 1   | 10,080           | 1,814              | 11,894             | 11,894            |

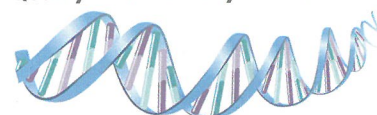




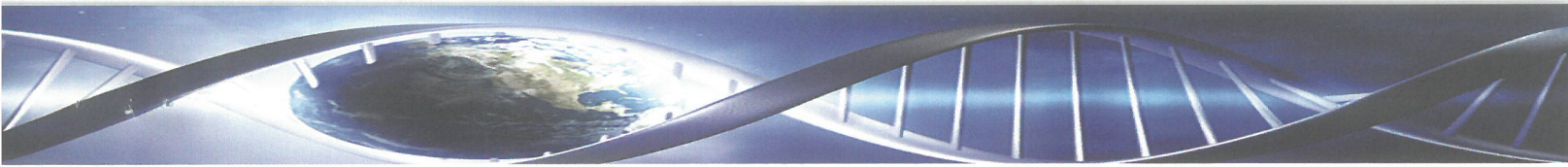
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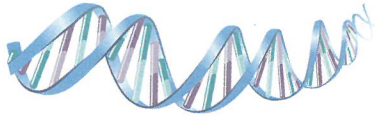


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|--------|-----------|--------------------------------------------------------------------------|------------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 352    | 14040133  | DPBS, calcium, magnesium                                                 | 500 mL           | Thermo Scientific | 1   | 12,480           | 2,246              | 14,726             | 14,726            |
| 353    | 15630080  | HEPES (1 M)                                                              | 100 mL           | Thermo Scientific | 1   | 35,520           | 6,394              | 41,914             | 41,914            |
| 354    | 25080094  | Sodium BicarboOne Unitte 7.5% solution                                   | 100 mL           | Thermo Scientific | 1   | 5,760            | 1,037              | 6,797              | 6,797             |
| 355    | 15140163  | Penicillin-Streptomycin (10,000 U/mL)                                    | (20 x 100 mL)    | Thermo Scientific | 1   | 135,360          | 24,365             | 159,725            | 159,725           |
| 356    | 16000044  | Fetal Bovine Serum, certified, United States                             | 500 mL           | Thermo Scientific | 1   | 508,800          | 91,584             | 600,384            | 600,384           |
| 357    | 260860    | Nunc™ MicroWell™ 96-Well Microplates                                     | 160/Cs           | Thermo Scientific | 1   | 227,520          | 40,954             | 268,474            | 268,474           |
| 358    | 88226     | HisPur™ Ni-NTA Spin Columns, 3 mL                                        | 5 columns        | Thermo Scientific | 1   | 100,800          | 18,144             | 118,944            | 118,944           |
| 359    | 88700     | Pierce™ Universal Nuclease for Cell Lysis                                | 5 kU             | Thermo Scientific | 1   | 41,280           | 7,430              | 48,710             | 48,710            |
| 360    | A2644501  | RevitaCell™ Supplement (100X)                                            | 5 mL             | Thermo Scientific | 1   | 63,360           | 11,405             | 74,765             | 74,765            |
| 361    | M6494     | MTT (3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide)       | 1 g              | Thermo Scientific | 1   | 83,520           | 15,034             | 98,554             | 98,554            |
| 362    | NP0336BOX | NuPAGE™ 4 to 12%, Bis-Tris, 1.5 mm, Mini Protein Gel, 15-well            | 10 gels (1 box)  | Thermo Scientific | 1   | 77,674           | 13,981             | 91,655             | 91,655            |
| 363    | 11090081  | Gibco™ MEM, no glutamine                                                 | 500 mL           | Thermo Scientific | 1   | 14,400           | 2,592              | 16,992             | 16,992            |
| 364    | 11430030  | Gibco™ MEM (10X), no glutamine                                           | 500 mL           | Thermo Scientific | 1   | 21,120           | 3,802              | 24,922             | 24,922            |
| 365    | 10003D    | Dynabeads™ Protein G for Immunoprecipitation                             | 1 mL             | Thermo Scientific | 1   | 142,080          | 25,574             | 167,654            | 167,654           |
| 366    | 15920D    | Cryogenic Labels for Cryogenic Storage                                   | One Unit         | Thermo Scientific | 1   | 699,840          | 125,971            | 825,811            | 825,811           |
| 367    | A1049101  | Gibco™ RPMI 1640 Medium (ATCC modification)                              | 500 mL           | Thermo Scientific | 1   | 31,680           | 5,702              | 37,382             | 37,382            |
| 368    | A13201    | Annexin VB Conjugates For Apoptosis Detection                            | 500 µL           | Thermo Scientific | 1   | 307,200          | 55,296             | 362,496            | 362,496           |
| 369    | N8010535  | MicroAmp™ 8-Cap Strip, clear                                             | 300 Strips       | Thermo Scientific | 1   | 78,720           | 14,170             | 92,890             | 92,890            |
| 370    | N8010580  | MicroAmp™ 8-Tube Strip, 0.2 mL                                           | 125 Strips Tubes | Thermo Scientific | 1   | 76,800           | 13,824             | 90,624             | 90,624            |
| 371    | AB2005    | EasyStrip™ Plus Tube Strip with Attached Ultra Clear Caps                | 250 strips       | Thermo Scientific | 1   | 195,686          | 35,223             | 230,909            | 230,909           |
| 372    | 170355    | Nunc™ Serological Pipettes                                               | Case of 200      | Thermo Scientific | 1   | 20,160           | 3,629              | 23,789             | 23,789            |
| 373    | 156499    | Nunc™ EasYFlask™ Cell Culture Flasks                                     | Case of 100      | Thermo Scientific | 1   | 69,120           | 12,442             | 81,562             | 81,562            |
| 374    | 25200114  | Trypsin-EDTA (0.25%), phenol red                                         | (20 x 100 mL)    | Thermo Scientific | 1   | 119,040          | 21,427             | 140,467            | 140,467           |
| 375    | 11710035  | Glasgow's MEM (GMEM)                                                     | 500 mL           | Thermo Scientific | 1   | 15,360           | 2,765              | 18,125             | 18,125            |
| 376    | M200500   | Human Large Vessel Endothelial Cell Basal Medium (formerly "Medium 200") | 500 mL           | Thermo Scientific | 1   | 47,040           | 8,467              | 55,507             | 55,507            |
| 377    | A1217601  | Gibco™ William's E Medium, no phenol red                                 | 500 mL           | Thermo Scientific | 1   | 18,240           | 3,283              | 21,523             | 21,523            |
| 378    | 4306311   | MicroAmp™ Clear Adhesive Film                                            | 100 films        | Thermo Scientific | 1   | 83,520           | 15,034             | 98,554             | 98,554            |



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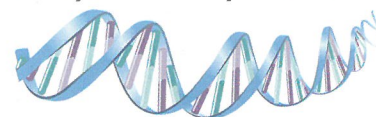
| Sr. No | Cat No.    | Description                                                            | Pack Size            | Company           | Qty | Unit Price (PKR) | GST 18% / Exempted | Unit Price Inc GST | Total Price (PKR) |
|--------|------------|------------------------------------------------------------------------|----------------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 379    | B14        | Bovine Serum Albumin (BSA)                                             | 5 mg                 | Thermo Scientific | 1   | 10,560           | 1,901              | 12,461             | 12,461            |
| 380    | 15212012   | KaryoMAX™ Colcemid™ Solution in PBS                                    | 10 mL                | Thermo Scientific | 1   | 13,680           | 2,462              | 16,142             | 16,142            |
| 381    | 13778100   | Lipofectamine™ RNAiMAX Transfection Reagent                            | 0.1 mL               | Thermo Scientific | 1   | 57,600           | -                  | 57,600             | 57,600            |
| 382    | WG1402BOX  | NuPAGE™ 4 to 12%, Bis-Tris, 1.0 mm, Midi Protein Gels                  | 10 Gels/Box          | Thermo Scientific | 1   | 124,800          | 22,464             | 147,264            | 147,264           |
| 383    | 88024      | Nitrocellulose Membranes, 0.2 µm                                       | 15 pre-cut membranes | Thermo Scientific | 1   | 81,600           | 14,688             | 96,288             | 96,288            |
| 384    | 16141079   | Gibco™ Embryonic Stem Cell FBS, Qualified, One Shot™ Format, US Origin | 500 mL               | Thermo Scientific | 1   | 664,320          | 119,578            | 783,898            | 783,898           |
| 385    | 88520      | PVDF Transfer Membrane, 0.2 µm, 26.5 cm x 3.75 m                       | 1 roll               | Thermo Scientific | 1   | 149,760          | 26,957             | 176,717            | 176,717           |
| 386    | 170357     | Nunc™ Serological Pipettes                                             | Case of 200          | Thermo Scientific | 1   | 40,320           | 7,258              | 47,578             | 47,578            |
| 387    | 11765054   | Ham's F-12 Nutrient Mix                                                | 500 mL               | Thermo Scientific | 1   | 15,360           | 2,765              | 18,125             | 18,125            |
| 388    | 11885084   | DMEM, low glucose, pyruvate                                            | 500 mL               | Thermo Scientific | 1   | 12,000           | 2,160              | 14,160             | 14,160            |
| 389    | 12561056   | MEM α, no nucleosides                                                  | 500 mL               | Thermo Scientific | 1   | 34,560           | 6,221              | 40,781             | 40,781            |
| 390    | 12605010   | TrypLE™ Express Enzyme (1X), phenol red                                | 100 mL               | Thermo Scientific | 1   | 12,000           | 2,160              | 14,160             | 14,160            |
| 391    | 15090046   | Trypsin (2.5%), no phenol red                                          | 100 mL               | Thermo Scientific | 1   | 16,608           | 2,989              | 19,597             | 19,597            |
| 392    | 17502048   | N-2 Supplement (100X)                                                  | 5 mL                 | Thermo Scientific | 1   | 39,360           | 7,085              | 46,445             | 46,445            |
| 393    | 17504044   | B-27™ Supplement (50X), serum free                                     | 10 mL                | Thermo Scientific | 1   | 47,040           | 8,467              | 55,507             | 55,507            |
| 394    | 25300054   | Trypsin-EDTA (0.05%), phenol red                                       | 100 mL               | Thermo Scientific | 1   | 11,856           | 2,134              | 13,990             | 13,990            |
| 395    | 70011044   | PBS (10X), pH 7.4                                                      | 500 mL               | Thermo Scientific | 1   | 22,147           | 3,986              | 26,133             | 26,133            |
| 396    | 00-4976-93 | eBioscience™ Lipopolysaccharide (LPS) Solution (500X)                  | 100 µL               | Thermo Scientific | 1   | 21,120           | 3,802              | 24,922             | 24,922            |
| 397    | A1517001   | Essential 8™ Medium                                                    | 500 mL               | Thermo Scientific | 1   | 140,314          | 25,257             | 165,571            | 165,571           |
| 398    | A32957     | Pierce™ Phosphatase Inhibitor Mini Tablets                             | 20 tablets           | Thermo Scientific | 1   | 85,440           | 15,379             | 100,819            | 100,819           |
| 399    | A3890401   | Poly-D-Lysine                                                          | 100 mL               | Thermo Scientific | 1   | 53,760           | 9,677              | 63,437             | 63,437            |
| 400    | AB0600     | PCR Plate, 96-well, non-skirted                                        | 25 plates            | Thermo Scientific | 1   | 66,240           | 11,923             | 78,163             | 78,163            |
| 401    | D1306      | DAPI (4',6-Diamidino-2-Phenylindole, Dihydrochloride)                  | 10 mg                | Thermo Scientific | 1   | 77,760           | 13,997             | 91,757             | 91,757            |
| 402    | N301       | TMB Substrate Solution                                                 | 100 mL               | Thermo Scientific | 1   | 45,120           | 8,122              | 53,242             | 53,242            |
| 403    | 34028      | 1-Step™ TMB ELISA Substrate Solutions                                  | 250 ml               | Thermo Scientific | 1   | 69,120           | 12,442             | 81,562             | 81,562            |
| 404    | 90082      | Lysozyme Solution (50 mg/mL)                                           | 0.5 mL               | Thermo Scientific | 1   | 24,960           | 4,493              | 29,453             | 29,453            |
| 405    | 10828028   | Gibco™ KnockOut™ Serum Replacement                                     | 500 mL               | Thermo Scientific | 1   | 221,760          | 39,917             | 261,677            | 261,677           |
| 406    | 12000063   | Gibco™ MEM α, no nucleosides, powder                                   | 10 L                 | Thermo Scientific | 1   | 37,440           | 6,739              | 44,179             | 44,179            |





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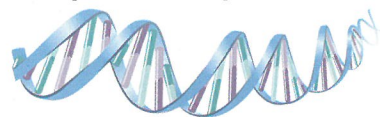


| Sr. No | Cat No.   | Description                                                                      | Pack Size     | Company           | Qty | Unit Price (PKR) | GST 18% / Exempted | Unit Price Inc GST | Total Price (PKR) |
|--------|-----------|----------------------------------------------------------------------------------|---------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 407    | A1286001  | Gibco™ CTS™ GlutaMAX™-1 Supplement                                               | 100 mL        | Thermo Scientific | 1   | 27,840           | 5,011              | 32,851             | 32,851            |
| 408    | A2494001  | Gibco™ Glucose Solution                                                          | 50 mL         | Thermo Scientific | 1   | 15,360           | 2,765              | 18,125             | 18,125            |
| 409    | A31543    | Pharma Magnetic Stand-96                                                         | 1 Stand       | Thermo Scientific | 1   | 254,400          | 45,792             | 300,192            | 300,192           |
| 410    | AB0626    | Adhesive PCR Plate Foils                                                         | 100/Pack      | Thermo Scientific | 1   | 61,440           | 11,059             | 72,499             | 72,499            |
| 411    | FNN0071   | Tissue Extraction Reagent I                                                      | 100 mL        | Thermo Scientific | 1   | 82,560           | 14,861             | 97,421             | 97,421            |
| 412    | S006100   | Gibco™ Attachment Factor Protein (1X)                                            | 100 mL        | Thermo Scientific | 1   | 15,360           | 2,765              | 18,125             | 18,125            |
| 413    | V13242    | Dead Cell Apoptosis Kits with Annexin V for Flow Cytometry                       |               | Thermo Scientific | 1   | 185,280          | 33,350             | 218,630            | 218,630           |
| 414    | 156367    | Nunc™ EasYFlask™ Cell Culture Flasks                                             | Case of 200   | Thermo Scientific | 1   | 82,560           | 14,861             | 97,421             | 97,421            |
| 415    | 15750060  | Gibco™ Gentamicin (50 mg/mL)                                                     | 10 mL         | Thermo Scientific | 1   | 29,760           | 5,357              | 35,117             | 35,117            |
| 416    | 27250018  | Trypsin (1:250), powder                                                          | 100 g         | Thermo Scientific | 1   | 191,040          | 34,387             | 225,427            | 225,427           |
| 417    | 4316567   | MicroAmp™ Optical 8-Tube Strip, 0.2 mL                                           | 125 strips    | Thermo Scientific | 1   | 120,000          | 21,600             | 141,600            | 141,600           |
| 418    | DAL1025   | Optical 8-Tube Strip is optimally designed to alamarBlue™ Cell Viability Reagent | 25 mL         | Thermo Scientific | 1   | 147,840          | 26,611             | 174,451            | 174,451           |
| 419    | 15240062  | Antibiotic-Antimycotic (100X)                                                    | 100 mL        | Thermo Scientific | 1   | 28,723           | 5,170              | 33,893             | 33,893            |
| 420    | 12100061  | DMEM, powder, high glucose                                                       | 10 L          | Thermo Scientific | 1   | 17,280           | 3,110              | 20,390             | 20,390            |
| 421    | F904S-2   | Bovine Genotypes Panel 1.2 Kit                                                   | 100 rxns      | Thermo Scientific | 1   | 373,968          | -                  | 373,968            | 373,968           |
| 422    | 10582013  | Gurr Buffer Tablets                                                              | 50x100 mL     | Thermo Scientific | 1   | 48,960           | 8,813              | 57,773             | 57,773            |
| 423    | 89833     | Lysozyme                                                                         | 5 g           | Thermo Scientific | 1   | 66,240           | 11,923             | 78,163             | 78,163            |
| 424    | 15557044  | UltraPure™ SSC, 20X                                                              | 1 L           | Thermo Scientific | 1   | 18,240           | 3,283              | 21,523             | 21,523            |
| 425    | 378220    | CryoBoxes™                                                                       | 6/Cs          | Thermo Scientific | 1   | 43,200           | 7,776              | 50,976             | 50,976            |
| 426    | 250003    | Nunc™ Microplate Lids                                                            | 60/Cs         | Thermo Scientific | 1   | 120,000          | 21,600             | 141,600            | 141,600           |
| 427    | N8010737  | Thin-Walled Reaction Tube, with flat cap, 0.5 mL                                 | 1000/Pack     | Thermo Scientific | 1   | 115,200          | 20,736             | 135,936            | 135,936           |
| 428    | 11593027  | Ampicillin, sodium salt, irradiated                                              | 200 mg        | Thermo Scientific | 1   | 28,800           | 5,184              | 33,984             | 33,984            |
| 429    | 12634028  | Advanced DMEM/F-12                                                               | (10 x 500 mL) | Thermo Scientific | 1   | 135,072          | 24,313             | 159,385            | 159,385           |
| 430    | 14175095  | HBSS, no calcium, no magnesium, no phenol red                                    | 500 mL        | Thermo Scientific | 1   | 12,490           | 2,248              | 14,738             | 14,738            |
| 431    | 15581044  | UltraPure™ TBE Buffer, 10X                                                       | 1 L           | Thermo Scientific | 1   | 11,520           | 2,074              | 13,594             | 13,594            |
| 432    | 11815024  | Kanamycin Sulfate                                                                | 5 g           | Thermo Scientific | 1   | 32,640           | 5,875              | 38,515             | 38,515            |
| 433    | STEM00015 | Lipofectamine™ Stem Transfection Reagent                                         | 1.5 mL        | Thermo Scientific | 1   | 307,200          | 55,296             | 362,496            | 362,496           |
| 434    | AB0620-1  | Flat Cap Thin Wall PCR Tubes 0.2 ml                                              | 1000/Pack     | Thermo Scientific | 1   | 12,365           | 2,226              | 14,591             | 14,591            |
| 435    | 159910    | Nunc™ EasYFlask™ Cell Culture Flasks                                             | Case of 30    | Thermo Scientific | 1   | 49,680           | 8,942              | 58,622             | 58,622            |
| 436    | 140675    | Nunc™ 6-Cell-Culture Treated Multidishes                                         | 75/Cs         | Thermo Scientific | 1   | 70,445           | 12,680             | 83,125             | 83,125            |



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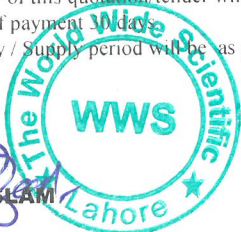
| Sr. No | Cat No.     | Description                                                       | Pack Size       | Company           | Qty | Unit Price (PKR) | GST 18% / Exempted | Unit Price Inc GST | Total Price (PKR) |
|--------|-------------|-------------------------------------------------------------------|-----------------|-------------------|-----|------------------|--------------------|--------------------|-------------------|
| 437    | 150628      | Nunc™ 12-Cell-Culture Treated Multidishes                         | 75/Cs           | Thermo Scientific | 1   | 77,395           | 13,931             | 91,326             | 91,326            |
| 438    | 167425      | 96-Well, Nunclon Delta-Treated, Flat-Bottom Microplate            | 50/Cs           | Thermo Scientific | 1   | 44,544           | 8,018              | 52,562             | 52,562            |
| 439    | 170356      | Nunc™ Serological Pipettes                                        | 10 mL           | Thermo Scientific | 1   | 20,160           | 3,629              | 23,789             | 23,789            |
| 440    | 12440061    | IMDM                                                              | (10x500 mL)     | Thermo Scientific | 1   | 72,960           | 13,133             | 86,093             | 86,093            |
| 441    | A1254201    | Synth-a-Freeze™ Cryopreservation Medium                           | 50 mL           | Thermo Scientific | 1   | 53,760           | 9,677              | 63,437             | 63,437            |
| 442    | AB0700      | PCR Plate, 96-well, low profile, non-skirted                      | 25 plates       | Thermo Scientific | 1   | 79,680           | 14,342             | 94,022             | 94,022            |
| 443    | 11330032    | DMEM/F-12, HEPES                                                  | 500 mL          | Thermo Scientific | 1   | 18,240           | 3,283              | 21,523             | 21,523            |
| 444    | 12440053    | IMDM                                                              | 500 mL          | Thermo Scientific | 1   | 13,440           | 2,419              | 15,859             | 15,859            |
| 445    | 11811031    | Geneticin™ Selective Antibiotic (G418 Sulfate), Powder            | 5 g             | Thermo Scientific | 1   | 223,680          | 40,262             | 263,942            | 263,942           |
| 446    | A12217      | Amplex™ Acetylcholine / AcetylcholinEsterase Assay Kit            | 500 assays      | Thermo Scientific | 1   | 259,200          | -                  | 259,200            | 259,200           |
| 447    | D399        | H2DCFDA (H2-DCF, DCF)                                             | 100 mg          | Thermo Scientific | 1   | 123,840          | 22,291             | 146,131            | 146,131           |
| 448    | A32953      | Pierce Protease Inhibitor Mini Tablets                            | 30 tablets      | Thermo Scientific | 1   | 65,280           | 11,750             | 77,030             | 77,030            |
| 449    | 20290       | Pierce™ DTT (Dithiothreitol)                                      | 5 g             | Thermo Scientific | 1   | 95,040           | 17,107             | 112,147            | 112,147           |
| 450    | 23225       | Pierce™ BCA Protein Assay Kit                                     | 1 L             | Thermo Scientific | 1   | 95,040           | 17,107             | 112,147            | 112,147           |
| 451    | 32106       | Pierce™ ECL Western Blotting Substrate                            | 500 mL          | Thermo Scientific | 1   | 104,640          | 18,835             | 123,475            | 123,475           |
| 452    | 88531       | Pierce™ Protein Concentrator PES, 30K MWCO, 5-20 mL               | 24 rxns         | Thermo Scientific | 1   | 143,040          | 25,747             | 168,787            | 168,787           |
| 453    | 88541       | Pierce™ Protein Concentrators PES, 50K MWCO, 0.5–100 mL           | 24 Concentrator | Thermo Scientific | 1   | 143,040          | 25,747             | 168,787            | 168,787           |
| 454    | A13199      | Annexin V, Fluorescein                                            | 500 µL          | Thermo Scientific | 1   | 249,600          | 44,928             | 294,528            | 294,528           |
| 455    | A26342      | QuantStudio™ 3/5 10-Dye Spectral Calibration Kit, 96-well, 0.1 mL | One Kit         | Thermo Scientific | 1   | 513,600          | 92,448             | 606,048            | 606,048           |
| 456    | BMS2001INST | G-CSF Human Instant ELISA™ Kit                                    | 128 Tests       | Thermo Scientific | 1   | 201,600          | -                  | 201,600            | 201,600           |

**TERMS & CONDITIONS:-**

- If any other taxes or any changed by the any government authority, shall be charged accordingly
- Validity of this quotation/tender will be 180 days
- Mode of payment will be as per contract agreement.
- Delivery / Supply period will be as per contract agreement.

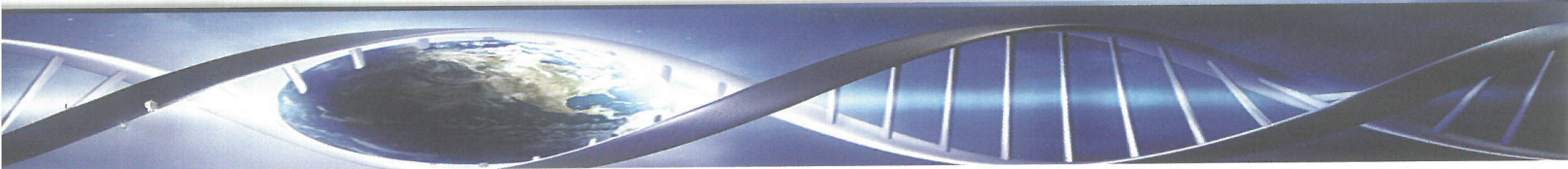
With best regards

MOAZZAM ISLAM



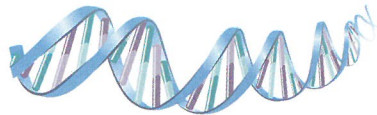
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To, **The Director (DPIC)**  
  
University of Agriculture  
Faisalabad.  
  
Tender Ref: **WWS/UAF/2024-5318**  
Dated: **26 March, 2024**

**FINANCIAL PROPOSAL**  
  
NTN No. **143526-2**  
GST No. **03-09-9018-005-82**

**SUBJECT: TENDER NO. 24/2024 FOR THE PURCHASE OF "CHEMICALS & PLASTICWARE"**  
**DUE DATE: 01.04.2024**

Dear Sir,  
We hope you will find this Tender/Quotation satisfactory and we look forward for your comments and valued order.

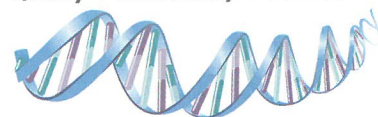
| Sr. No | Cat No.    | Description                  | Pack Size | Company   | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|------------|------------------------------|-----------|-----------|-----|------------------|---------|--------------------|-------------------|
| 1      | A102-100MG | (+/-) Absciseic Acid         | 100 mg    | PHYTO-USA | 1   | 27,040           | 4,867   | 31,907             | 31,907            |
| 2      | A104-5G    | Acetosyringone               | 5 g       | PHYTO-USA | 1   | 51,282           | 9,231   | 60,513             | 60,513            |
| 3      | A106-1KG   | L-Ascorbic Acid              | 1 Kg      | PHYTO-USA | 1   | 30,148           | 5,427   | 35,575             | 35,575            |
| 4      | A106-100G  | L-Ascorbic Acid              | 100 g     | PHYTO-USA | 1   | 10,567           | 1,902   | 12,469             | 12,469            |
| 5      | A106-500G  | L-Ascorbic Acid              | 500 g     | PHYTO-USA | 1   | 20,202           | 3,636   | 23,838             | 23,838            |
| 6      | A109-1KG   | Ammonium Chloride            | 1 Kg      | PHYTO-USA | 1   | 23,310           | 4,196   | 27,506             | 27,506            |
| 7      | A112-500G  | Ammonium Molybdate (VI)      | 500 g     | PHYTO-USA | 1   | 40,405           | 7,273   | 47,678             | 47,678            |
| 8      | A113-500G  | Ammonium Phophate, Monobasic | 500 g     | PHYTO-USA | 1   | 21,136           | 3,804   | 24,940             | 24,940            |
| 9      | A117-1KG   | L-Aspartic Acid              | 1 Kg      | PHYTO-USA | 1   | 36,676           | 6,602   | 43,278             | 43,278            |
| 10     | A118-100G  | Acetylsalicylic Acid         | 100 g     | PHYTO-USA | 1   | 11,498           | 2,070   | 13,568             | 13,568            |
| 11     | A119-500MG | Amphotericin B               | 500 mg    | PHYTO-USA | 1   | 45,066           | 8,112   | 53,178             | 53,178            |
| 12     | A121-100G  | L-Alanine                    | 100 g     | PHYTO-USA | 1   | 27,040           | 4,867   | 31,907             | 31,907            |
| 13     | A143-100G  | L-Arginine                   | 100 g     | PHYTO-USA | 1   | 13,675           | 2,462   | 16,137             | 16,137            |
| 14     | A143-500G  | L-Arginine                   | 500 g     | PHYTO-USA | 1   | 36,054           | 6,490   | 42,544             | 42,544            |
| 15     | A296-500G  | Agar, Micropropagation Grade | 500 g     | PHYTO-USA | 1   | 39,324           | 7,078   | 46,402             | 46,402            |
| 16     | A296-1KG   | Agar, Micropropagation Grade | 1 Kg      | PHYTO-USA | 1   | 60,713           | 10,928  | 71,641             | 71,641            |
| 17     | A120-25G   | Adenine                      | 25 g      | PHYTO-USA | 1   | 27,040           | 4,867   | 31,907             | 31,907            |
| 18     | A545-25G   | Adenine Hemisulfate          | 25 g      | PHYTO-USA | 1   | 29,838           | 5,371   | 35,209             | 35,209            |
| 19     | B800-25G   | 6-Benzylaminopurine (BAP)    | 25 g      | PHYTO-USA | 1   | 21,000           | 3,780   | 24,780             | 24,780            |
| 20     | B140-1G    | D-Biotin                     | 1 g       | PHYTO-USA | 1   | 20,202           | 3,636   | 23,838             | 23,838            |



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| Sr. No | Cat No.    | Description                            | Pack Size | Company   | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|------------|----------------------------------------|-----------|-----------|-----|------------------|---------|--------------------|-------------------|
| 21     | B235-500ML | Buffer Solution, pH 4.0                | 500 ml    | PHYTO-USA | 1   | 12,432           | 2,238   | 14,670             | 14,670            |
| 22     | B236-500ML | Buffer Solution, pH 7.0                | 500 ml    | PHYTO-USA | 1   | 12,432           | 2,238   | 14,670             | 14,670            |
| 23     | B210-500G  | Boric Acid                             | 500 g     | PHYTO-USA | 1   | 8,702            | 1,566   | 10,268             | 10,268            |
| 24     | B210-1KG   | Boric Acid                             | 1 Kg      | PHYTO-USA | 1   | 14,606           | 2,629   | 17,235             | 17,235            |
| 25     | C380-5G    | Cefotaxime                             | 5 g       | PHYTO-USA | 1   | 31,800           | 5,724   | 37,524             | 37,524            |
| 26     | C135-1KG   | Calcium Chloride, Dihydrate            | 1 Kg      | PHYTO-USA | 1   | 19,200           | 3,456   | 22,656             | 22,656            |
| 27     | C135-500G  | Calcium Chloride, Dihydrate            | 500 g     | PHYTO-USA | 1   | 11,520           | 2,074   | 13,594             | 13,594            |
| 28     | C184-500G  | Casein Hydrolysate                     | 500 g     | PHYTO-USA | 1   | 27,040           | 4,867   | 31,907             | 31,907            |
| 29     | C184-1KG   | Casein Hydrolysate                     | 1 Kg      | PHYTO-USA | 1   | 40,405           | 7,273   | 47,678             | 47,678            |
| 30     | C232-500G  | Chloine Chloride                       | 500 g     | PHYTO-USA | 1   | 11,498           | 2,070   | 13,568             | 13,568            |
| 31     | C274-500G  | Calcium Phosphate                      | 500g      | PHYTO-USA | 1   | 85,471           | 15,385  | 100,856            | 100,856           |
| 32     | C277-1KG   | Citric Acid                            | 1 Kg      | PHYTO-USA | 1   | 13,363           | 2,405   | 15,768             | 15,768            |
| 33     | C350-100G  | Cobalt Chloride                        | 100 g     | PHYTO-USA | 1   | 16,783           | 3,021   | 19,804             | 19,804            |
| 34     | C375-250G  | Cupric Sulfate                         | 250 g     | PHYTO-USA | 1   | 11,810           | 2,126   | 13,936             | 13,936            |
| 35     | C375-500G  | Cupric Sulfate                         | 500 g     | PHYTO-USA | 1   | 20,824           | 3,748   | 24,572             | 24,572            |
| 36     | C346-5G    | Carbencillin                           | 5 g       | PHYTO-USA | 1   | 27,040           | 4,867   | 31,907             | 31,907            |
| 37     | C252-25G   | Chloramphenicol                        | 25 g      | PHYTO-USA | 1   | 17,714           | 3,189   | 20,903             | 20,903            |
| 38     | C325-1KG   | Charcoal Activated                     | 1 Kg      | PHYTO-USA | 1   | 29,526           | 5,315   | 34,841             | 34,841            |
| 39     | C1765-100  | Ptcon-12 for Plant                     | 100/Pack  | PHYTO-USA | 1   | 115,200          | 20,736  | 135,936            | 135,936           |
| 40     | D259-5G    | DL-Dithiothreitol                      | 5 g       | PHYTO-USA | 1   | 23,310           | 4,196   | 27,506             | 27,506            |
| 41     | D525-500MG | 6-(y,y-Dimethylallylamino Purine (2iP) | 500 mg    | PHYTO-USA | 1   | 23,622           | 4,252   | 27,874             | 27,874            |
| 42     | D525-1G    | 6-(y,y-Dimethylallylamino Purine (2iP) | 1 g       | PHYTO-USA | 1   | 37,297           | 6,713   | 44,010             | 44,010            |
| 43     | D308-25G   | Dextran Sulfate                        | 25 g      | PHYTO-USA | 1   | 35,742           | 6,434   | 42,176             | 42,176            |
| 44     | D308-100G  | Dextran Sulfate                        | 100 g     | PHYTO-USA | 1   | 111,892          | 20,141  | 132,033            | 132,033           |
| 45     | E316-1KG   | EDTA, Free Acid                        | 1 Kg      | PHYTO-USA | 1   | 30,460           | 5,483   | 35,943             | 35,943            |
| 46     | E316-500G  | EDTA, Free Acid                        | 500 g     | PHYTO-USA | 1   | 20,824           | 3,748   | 24,572             | 24,572            |
| 47     | E676-500G  | Ferric Sodium EDTA                     | 500 g     | PHYTO-USA | 1   | 37,297           | 6,713   | 44,010             | 44,010            |
| 48     | F263-1KG   | Ferrous Sulfate                        | 1 Kg      | PHYTO-USA | 1   | 23,310           | 4,196   | 27,506             | 27,506            |
| 49     | F263-500G  | Ferrous Sulfate                        | 500G      | PHYTO-USA | 1   | 14,297           | 2,573   | 16,870             | 16,870            |
| 50     | F356-500G  | Fumaric Acid                           | 500 g     | PHYTO-USA | 1   | 13,985           | 2,517   | 16,502             | 16,502            |
| 51     | F430-25G   | Folic Acid                             | 25 g      | PHYTO-USA | 1   | 21,136           | 3,804   | 24,940             | 24,940            |
| 52     | G570-5G    | Gentamicin Sulfate                     | 5 g       | PHYTO-USA | 1   | 43,513           | 7,832   | 51,345             | 51,345            |

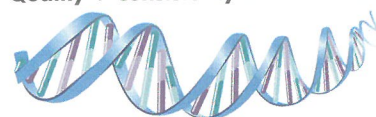




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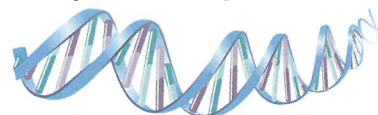
| Sr. No | Cat No.    | Description                | Pack Size | Company   | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|------------|----------------------------|-----------|-----------|-----|------------------|---------|--------------------|-------------------|
| 53     | G810-5G    | G418 Sulfae                | 5 g       | PHYTO-USA | 1   | 66,823           | 12,028  | 78,851             | 78,851            |
| 54     | G360-1KG   | D-(+) Glucose, Monohydrate | 1 Kg      | PHYTO-USA | 1   | 5,594            | 1,007   | 6,601              | 6,601             |
| 55     | G360-5KG   | D-(+) Glucose, Monohydrate | 5KG       | PHYTO-USA | 1   | 30,148           | 5,427   | 35,575             | 35,575            |
| 56     | G386-1KG   | D-(+) Glucose, Anhydrous   | 1 Kg      | PHYTO-USA | 1   | 7,459            | 1,343   | 8,802              | 8,802             |
| 57     | G503-1KG   | Glycine                    | 1 Kg      | PHYTO-USA | 1   | 14,606           | 2,629   | 17,235             | 17,235            |
| 58     | G3251-500G | Gelzan                     | 500 g     | PHYTO-USA | 1   | 54,391           | 9,790   | 64,181             | 64,181            |
| 59     | G3251-1KG  | Gelzan                     | 1 Kg      | PHYTO-USA | 1   | 88,579           | 15,944  | 104,523            | 104,523           |
| 60     | G434-500G  | Gellan Gum                 | 500 g     | PHYTO-USA | 1   | 45,600           | 8,208   | 53,808             | 53,808            |
| 61     | G434-1KG   | Gellan Gum                 | 1 Kg      | PHYTO-USA | 1   | 67,200           | 12,096  | 79,296             | 79,296            |
| 62     | G500-5G    | Gibberellic Acid           | 5 g       | PHYTO-USA | 1   | 45,066           | 8,112   | 53,178             | 53,178            |
| 63     | G229-100G  | L-Glutamine                | 100 g     | PHYTO-USA | 1   | 23,622           | 4,252   | 27,874             | 27,874            |
| 64     | H370-20ML  | Hygromycin B               | 20 ml     | PHYTO-USA | 1   | 51,282           | 9,231   | 60,513             | 60,513            |
| 65     | H326-100G  | HEPES, Free Acid           | 100 g     | PHYTO-USA | 1   | 14,918           | 2,685   | 17,603             | 17,603            |
| 66     | H326-500G  | HEPES, Free Acid           | 500 g     | PHYTO-USA | 1   | 57,499           | 10,350  | 67,849             | 67,849            |
| 67     | G276-100G  | CTAB                       | 100 g     | PHYTO-USA | 1   | 11,520           | 2,074   | 13,594             | 13,594            |
| 68     | G276-500G  | CTAB                       | 500 g     | PHYTO-USA | 1   | 24,244           | 4,364   | 28,608             | 28,608            |
| 69     | I373-1G    | IPTG                       | 1 g       | PHYTO-USA | 1   | 7,769            | 1,398   | 9,167              | 9,167             |
| 70     | I373-5G    | IPTG                       | 5 g       | PHYTO-USA | 1   | 23,622           | 4,252   | 27,874             | 27,874            |
| 71     | I538-5G    | Indole-3-Butyric Acid      | 5 g       | PHYTO-USA | 1   | 10,877           | 1,958   | 12,835             | 12,835            |
| 72     | I538-25G   | Indole-3-Butyric Acid      | 25 g      | PHYTO-USA | 1   | 23,622           | 4,252   | 27,874             | 27,874            |
| 73     | I885-5G    | Indole-3-Acetic Acid       | 5 g       | PHYTO-USA | 1   | 8,390            | 1,510   | 9,900              | 9,900             |
| 74     | I885-25G   | Indole-3-Acetic Acid       | 25 g      | PHYTO-USA | 1   | 23,400           | 4,212   | 27,612             | 27,612            |
| 75     | I703-100G  | myo-Inositol               | 100 g     | PHYTO-USA | 1   | 13,675           | 2,462   | 16,137             | 16,137            |
| 76     | I703-500G  | myo-Inositol               | 500 g     | PHYTO-USA | 1   | 43,513           | 7,832   | 51,345             | 51,345            |
| 77     | K378-25G   | Kanamycin                  | 25 g      | PHYTO-USA | 1   | 46,621           | 8,392   | 55,013             | 55,013            |
| 78     | K378-10G   | Kanamycin                  | 10 g      | PHYTO-USA | 1   | 20,202           | 3,636   | 23,838             | 23,838            |
| 79     | K378-5G    | Kanamycin                  | 5 g       | PHYTO-USA | 1   | 13,675           | 2,462   | 16,137             | 16,137            |
| 80     | K750-5G    | Kinetin                    | 5 g       | PHYTO-USA | 1   | 35,640           | 6,415   | 42,055             | 42,055            |
| 81     | K750-1G    | Kinetin                    | 1 g       | PHYTO-USA | 1   | 11,520           | 2,074   | 13,594             | 13,594            |
| 82     | L594-100G  | L-Lysine                   | 100 g     | PHYTO-USA | 1   | 11,400           | 2,052   | 13,452             | 13,452            |
| 83     | L475-500G  | LB Broth Miller            | 500 g     | PHYTO-USA | 1   | 22,200           | 3,996   | 26,196             | 26,196            |
| 84     | M565-1G    | MTT                        | 1G        | PHYTO-USA | 1   | 35,640           | 6,415   | 42,055             | 42,055            |



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| Sr. No | Cat No.    | Description                            | Pack Size | Company   | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|------------|----------------------------------------|-----------|-----------|-----|------------------|---------|--------------------|-------------------|
| 85     | M471-100G  | L-Maleic Acid                          | 100 g     | PHYTO-USA | 1   | 9,012            | 1,622   | 10,634             | 10,634            |
| 86     | M521-1KG   | Magnesium Chloride                     | 1 Kg      | PHYTO-USA | 1   | 27,040           | 4,867   | 31,907             | 31,907            |
| 87     | M521-500G  | Magnesium Chloride                     | 500 g     | PHYTO-USA | 1   | 16,471           | 2,965   | 19,436             | 19,436            |
| 88     | M651-500G  | Sodium Molybdate (VI)                  | 500 g     | PHYTO-USA | 1   | 43,513           | 7,832   | 51,345             | 51,345            |
| 89     | M250-100G  | Manganese Sulfate                      | 100 g     | PHYTO-USA | 1   | 7,769            | 1,398   | 9,167              | 9,167             |
| 90     | M455-100G  | Manganese Chloride                     | 100 g     | PHYTO-USA | 1   | 10,567           | 1,902   | 12,469             | 12,469            |
| 91     | M567-500G  | Meat Extract                           | 500 g     | PHYTO-USA | 1   | 74,594           | 13,427  | 88,021             | 88,021            |
| 92     | M524-50L   | MS Basal Salt Mixture                  | 50L       | PHYTO-USA | 1   | 33,000           | 5,940   | 38,940             | 38,940            |
| 93     | M524-100L  | MS Basal Salt Mixture                  | 100 L     | PHYTO-USA | 1   | 57,000           | 10,260  | 67,260             | 67,260            |
| 94     | M499-50L   | MS Base Salt Mixture                   | 50 L      | PHYTO-USA | 1   | 33,000           | 5,940   | 38,940             | 38,940            |
| 95     | M404-100L  | MS Basal Medium with Gamborg Vitamins  | 100 L     | PHYTO-USA | 1   | 70,200           | 12,636  | 82,836             | 82,836            |
| 96     | M519-100L  | MS Basal Medium with Vitamins          | 100 L     | PHYTO-USA | 1   | 57,000           | 10,260  | 67,260             | 67,260            |
| 97     | M519-50L   | MS Basal Medium with Vitamins          | 50L       | PHYTO-USA | 1   | 33,000           | 5,940   | 38,940             | 38,940            |
| 98     | M588-1KG   | D-Maltose                              | 1 Kg      | PHYTO-USA | 1   | 21,136           | 3,804   | 24,940             | 24,940            |
| 99     | M562-500G  | D-Manitol                              | 500 g     | PHYTO-USA | 1   | 14,297           | 2,573   | 16,870             | 16,870            |
| 100    | M150-500G  | Magnesium Sulfate, Anhydrous           | 500 g     | PHYTO-USA | 1   | 23,000           | 4,140   | 27,140             | 27,140            |
| 101    | M825-100G  | MES                                    | 100 g     | PHYTO-USA | 1   | 23,310           | 4,196   | 27,506             | 27,506            |
| 102    | M825-500G  | MES                                    | 500G      | PHYTO-USA | 1   | 76,147           | 13,706  | 89,853             | 89,853            |
| 103    | N600-25G   | $\alpha$ -Naphthaleneacetic Acid (NAA) | 25 g      | PHYTO-USA | 1   | 11,760           | 2,117   | 13,877             | 13,877            |
| 104    | N600-100G  | $\alpha$ -Naphthaleneacetic Acid (NAA) | 100 g     | PHYTO-USA | 1   | 28,800           | 5,184   | 33,984             | 33,984            |
| 105    | N602-1G    | Nitro Blue Tetrazolium                 | 1 g       | PHYTO-USA | 1   | 45,600           | 8,208   | 53,808             | 53,808            |
| 106    | N584-25G   | Neomycin Sulfate                       | 25 g      | PHYTO-USA | 1   | 28,200           | 5,076   | 33,276             | 33,276            |
| 107    | N765-100G  | Nicotinic Acid                         | 100 f     | PHYTO-USA | 1   | 11,189           | 2,014   | 13,203             | 13,203            |
| 108    | N765-500G  | Nicotinic Acid                         | 500 g     | PHYTO-USA | 1   | 29,400           | 5,292   | 34,692             | 34,692            |
| 109    | P679-250MG | DL-Phosoinothricin (BASTA)             | 250 mg    | PHYTO-USA | 1   | 67,200           | 12,096  | 79,296             | 79,296            |
| 110    | P684-25G   | Pyruvic Acid                           | 25 g      | PHYTO-USA | 1   | 29,526           | 5,315   | 34,841             | 34,841            |
| 111    | P684-100G  | Pyruvic Acid                           | 100 g     | PHYTO-USA | 1   | 88,979           | 15,944  | 104,523            | 104,523           |
| 112    | P661-100G  | Potassium acetate                      | 100 g     | PHYTO-USA | 1   | 8,702            | 1,566   | 10,268             | 10,268            |
| 113    | P866-25G   | Pyridoxine Hydrochloride               | 25 g      | PHYTO-USA | 1   | 14,918           | 2,685   | 17,603             | 17,603            |
| 114    | P733-10G   | Putrescine                             | 10 g      | PHYTO-USA | 1   | 14,918           | 2,685   | 17,603             | 17,603            |
| 115    | P717-5G    | Picloram                               | 5 g       | PHYTO-USA | 1   | 39,858           | 7,174   | 47,032             | 47,032            |
| 116    | P698-100G  | L-Proline                              | 100 g     | PHYTO-USA | 1   | 23,310           | 4,196   | 27,506             | 27,506            |

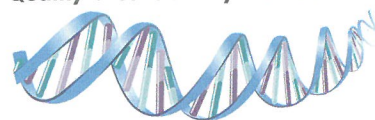




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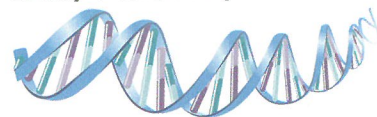


| Sr. No | Cat No.    | Description                                  | Pack Size | Company   | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|------------|----------------------------------------------|-----------|-----------|-----|------------------|---------|--------------------|-------------------|
| 117    | P710-5G    | Paromomycin Sulfate                          | 5 g       | PHYTO-USA | 1   | 22,688           | 4,084   | 26,772             | 26,772            |
| 118    | P687-25G   | Paclobutrazol                                | 25 g      | PHYTO-USA | 1   | 23,813           | 4,286   | 28,099             | 28,099            |
| 119    | P720-500ML | Tween® 20                                    | 500 ml    | PHYTO-USA | 1   | 18,028           | 3,245   | 21,273             | 21,273            |
| 120    | P720-1L    | Polyoxyethylenesorbitan Monolaurate Tween 20 | 1L        | PHYTO-USA | 1   | 27,040           | 4,867   | 31,907             | 31,907            |
| 121    | P728-100G  | Polyvinylpyrrolidone (PVP-40)                | 100 g     | PHYTO-USA | 1   | 11,189           | 2,014   | 13,203             | 13,203            |
| 122    | P728-500G  | Polyvinylpyrrolidone (PVP-40)                | 500 g     | PHYTO-USA | 1   | 30,148           | 5,427   | 35,575             | 35,575            |
| 123    | P728-1KG   | Polyvinylpyrrolidone (PVP-40)                | 1 Kg      | PHYTO-USA | 1   | 51,282           | 9,231   | 60,513             | 60,513            |
| 124    | P778-100G  | L-Phenylalanine                              | 100g      | PHYTO-USA | 1   | 11,810           | 2,126   | 13,936             | 13,936            |
| 125    | P854-1KG   | Potassium Sulfate                            | 1 Kg      | PHYTO-USA | 1   | 20,202           | 3,636   | 23,838             | 23,838            |
| 126    | P705-1KG   | Potassium Phosphite                          | 1 Kg      | PHYTO-USA | 1   | 45,066           | 8,112   | 53,178             | 53,178            |
| 127    | P840-100G  | Potassium Iodide                             | 100g      | PHYTO-USA | 1   | 17,405           | 3,133   | 20,538             | 20,538            |
| 128    | P840-500G  | Potassium Iodide                             | 500g      | PHYTO-USA | 1   | 43,513           | 7,832   | 51,345             | 51,345            |
| 129    | P694-100G  | Phloroglucinol                               | 100 g     | PHYTO-USA | 1   | 71,486           | 12,867  | 84,353             | 84,353            |
| 130    | P777-25G   | Penicillin G                                 | 25 g      | PHYTO-USA | 1   | 45,066           | 8,112   | 53,178             | 53,178            |
| 131    | R779-25G   | Riboflavin                                   | 25 g      | PHYTO-USA | 1   | 21,356           | 3,844   | 25,200             | 25,200            |
| 132    | R501-5G    | Rifampicin                                   | 5 g       | PHYTO-USA | 1   | 38,850           | 6,993   | 45,843             | 45,843            |
| 133    | R501-10G   | Rifampicin                                   | 10 g      | PHYTO-USA | 1   | 65,270           | 11,749  | 77,019             | 77,019            |
| 134    | S624-1KG   | Sodium Chloride                              | 1 Kg      | PHYTO-USA | 1   | 5,904            | 1,063   | 6,967              | 6,967             |
| 135    | S624-5KG   | Sodium Chloride                              | 5 Kg      | PHYTO-USA | 1   | 23,932           | 4,308   | 28,240             | 28,240            |
| 136    | S807-25G   | L-Serine                                     | 25 g      | PHYTO-USA | 1   | 13,985           | 2,517   | 16,502             | 16,502            |
| 137    | S844-500G  | Sodium Dodecyl Sulfate (SDS)                 | 500 g     | PHYTO-USA | 1   | 30,148           | 5,427   | 35,575             | 35,575            |
| 138    | S837-5G    | Spermidine                                   | 5 g       | PHYTO-USA | 1   | 33,788           | 6,082   | 39,870             | 39,870            |
| 139    | S391-1KG-1 | D-Sucrose                                    | 1 Kg      | PHYTO-USA | 1   | 6,720            | 1,210   | 7,930              | 7,930             |
| 140    | S391-5KG   | D-Sucrose                                    | 5KG       | PHYTO-USA | 1   | 28,440           | 5,119   | 33,559             | 33,559            |
| 141    | S391-25KG  | D-Sucrose                                    | 25 Kg     | PHYTO-USA | 1   | 94,546           | 17,018  | 111,564            | 111,564           |
| 142    | S744-500G  | D-Sorbitol                                   | 500 g     | PHYTO-USA | 1   | 9,324            | 1,678   | 11,002             | 11,002            |
| 143    | S739-25G   | Streptomycin Sulfate                         | 25 g      | PHYTO-USA | 1   | 15,340           | 2,743   | 17,983             | 17,983            |
| 144    | S742-25G   | Spectinomycin, Dihydrochloride               | 25G       | PHYTO-USA | 1   | 59,400           | 10,692  | 70,092             | 70,092            |
| 145    | S744-1KG   | D-Sorbitol                                   | 1 Kg      | PHYTO-USA | 1   | 14,918           | 2,685   | 17,603             | 17,603            |
| 146    | T869-2G    | Timentin                                     | 2 g       | PHYTO-USA | 1   | 32,294           | 5,813   | 38,107             | 38,107            |
| 147    | T873-100G  | L-Tyrosine                                   | 100g      | PHYTO-USA | 1   | 20,202           | 3,636   | 23,838             | 23,838            |
| 148    | T888-100MG | Thidiazuron                                  | 100 mg    | PHYTO-USA | 1   | 41,958           | 7,552   | 49,510             | 49,510            |



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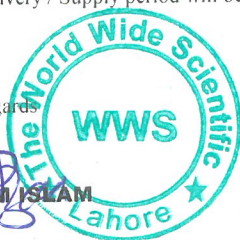
| Sr. No | Cat No.    | Description              | Pack Size | Company   | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|------------|--------------------------|-----------|-----------|-----|------------------|---------|--------------------|-------------------|
| 149    | T390-25G   | Thiamine Hydrochloride   | 25 g      | PHYTO-USA | 1   | 13,985           | 2,517   | 16,502             | 16,502            |
| 150    | T769-1L    | Tris EDTA Buffer         | 1L        | PHYTO-USA | 1   | 36,676           | 6,602   | 43,278             | 43,278            |
| 151    | T859-25G   | Tetracline Hydrochloride | 25 g      | PHYTO-USA | 1   | 13,985           | 2,517   | 16,502             | 16,502            |
| 152    | T858-100G  | Tris Hydrochloride       | 100 g     | PHYTO-USA | 1   | 10,877           | 1,958   | 12,835             | 12,835            |
| 153    | T858-500G  | Tris Hydrochloride       | 500 g     | PHYTO-USA | 1   | 23,932           | 4,308   | 28,240             | 28,240            |
| 154    | T858-1KG   | Tris Hydrochloride       | 1 Kg      | PHYTO-USA | 1   | 41,958           | 7,552   | 49,510             | 49,510            |
| 155    | T838-500G  | Tris Base                | 500 g     | PHYTO-USA | 1   | 14,606           | 2,629   | 17,235             | 17,235            |
| 156    | T838-1KG   | Tris Base                | 1 Kg      | PHYTO-USA | 1   | 24,244           | 4,364   | 28,608             | 28,608            |
| 157    | T838-5KG   | Tris Base                | 5 Kg      | PHYTO-USA | 1   | 119,660          | 21,539  | 141,199            | 141,199           |
| 158    | T832-500G  | Tryptone                 | 500 g     | PHYTO-USA | 1   | 27,040           | 4,867   | 31,907             | 31,907            |
| 159    | T832-1KG   | Tryptone                 | 1Kg       | PHYTO-USA | 1   | 45,066           | 8,112   | 53,178             | 53,178            |
| 160    | U890-1KG   | Urea                     | 1 Kg      | PHYTO-USA | 1   | 13,675           | 2,462   | 16,137             | 16,137            |
| 161    | X874-500MG | X-Gal                    | 500 mg    | PHYTO-USA | 1   | 14,918           | 2,685   | 17,603             | 17,603            |
| 162    | X871-100MG | X-Gluc, Sodium Salt      | 100 mg    | PHYTO-USA | 1   | 30,680           | 5,522   | 36,202             | 36,202            |
| 163    | Y892-500G  | Yeast Extract            | 500 g     | PHYTO-USA | 1   | 30,148           | 5,427   | 35,575             | 35,575            |
| 164    | Z101-500G  | Zinc Sulfate             | 500 g     | PHYTO-USA | 1   | 16,162           | 2,909   | 19,071             | 19,071            |
| 165    | Z125-10MG  | Zeatin                   | 10 mg     | PHYTO-USA | 1   | 26,730           | 4,811   | 31,541             | 31,541            |
| 166    | Z125-50MG  | Zeatin                   | 50 mg     | PHYTO-USA | 1   | 54,391           | 9,790   | 64,181             | 64,181            |
| 167    | Z899-10MG  | Zeatin Riboside          | 10 mg     | PHYTO-USA | 1   | 29,838           | 5,371   | 35,209             | 35,209            |

TERMS & CONDITIONS:-

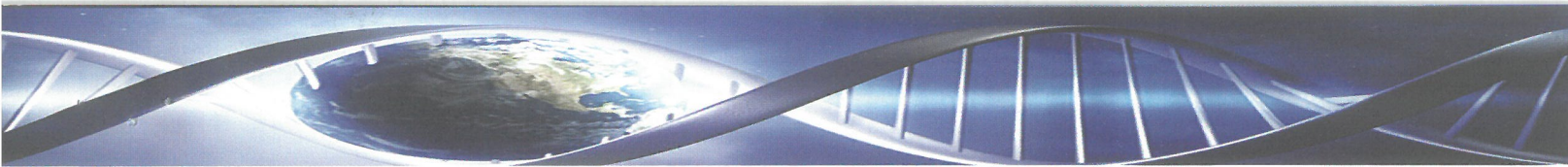
- If any other taxes or any changed by the any government authority, shall be charged accordingly.
- Validity of this quotation/tender will be 180 days
- Mode of payment 30 days.
- Delivery / Supply period will be as per contract agreement.

With best regards,

MOAZZAM ISLAM

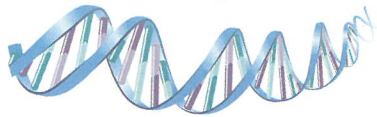






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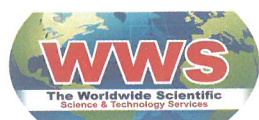
To, **The Director (DPIC)**  
  
University of Agriculture  
Faisalabad.  
  
Tender Ref: WWS/UAF/2024-5318  
Dated: 26 March, 2024

**FINANCIAL PROPOSAL**  
  
NTN No. 143526-2  
GST No. 03-09-9018-005-82

SUBJECT: **TENDER NO. 24/2024 FOR THE PURCHASE OF "CHEMICALS & PLASTICWARE"**  
**DUE DATE: 01.04.2024**

Dear Sir,  
We hope you will find this Tender/Quotation satisfactory and we look forward to your comments and valued order.

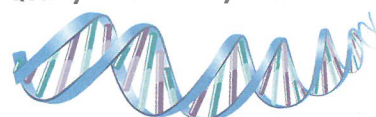
| Sr. No | Cat No. | Description                   | Pack Size | Company      | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|---------|-------------------------------|-----------|--------------|-----|------------------|---------|--------------------|-------------------|
| 1      | 7906.1  | Acrylamide                    | 100 g     | ROTH-Germany | 1   | 16,339           | 2,941   | 19,280             | 19,280            |
| 2      | 7906.2  | Acrylamide 99%                | 1 Kg      | ROTH-Germany | 1   | 73,022           | 13,144  | 86,166             | 86,166            |
| 3      | 7871.2  | Acrylamide, 2x cryst.         | 1 Kg      | ROTH-Germany | 1   | 49,360           | 8,885   | 58,245             | 58,245            |
| 4      | 7871.1  | Acrylamide                    | 500 g     | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 5      | 3121.1  | AMP                           | 250 ml    | ROTH-Germany | 1   | 32,680           | 5,882   | 38,562             | 38,562            |
| 6      | 9590.1  | Amido Black 10 B (C.I 20470)  | 25 g      | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 7      | K298.2  | Ammonium Chloride 99.5        | 1 Kg      | ROTH-Germany | 1   | 18,724           | 3,370   | 22,094             | 22,094            |
| 8      | 5470.1  | Ammonium chloride             | 1 Kg      | ROTH-Germany | 1   | 11,915           | 2,145   | 14,060             | 14,060            |
| 9      | CP85.2  | Ammonium dihydrogen phosphate | 1Kg       | ROTH-Germany | 1   | 25,871           | 4,657   | 30,528             | 30,528            |
| 10     | 9178.1  | Ammonium Peroxy Disulphate    | 1 Kg      | ROTH-Germany | 1   | 15,318           | 2,757   | 18,075             | 18,075            |
| 11     | 9592.1  | Ammonium Peroxidisulphate     | 1 Kg      | ROTH-Germany | 1   | 19,063           | 3,431   | 22,494             | 22,494            |
| 12     | 4232.3  | Ammonium monovanadate         | 250 g     | ROTH-Germany | 1   | 39,148           | 7,047   | 46,195             | 46,195            |
| 13     | K029.2  | Ampicillin Sodium Salt        | 100g      | ROTH-Germany | 1   | 67,061           | 12,071  | 79,132             | 79,132            |
| 14     | 8076.2  | Albumin Fraction V            | 50 g      | ROTH-Germany | 1   | 37,362           | 6,725   | 44,087             | 44,087            |
| 15     | 8696.1  | Alginic Acid                  | 250 g     | ROTH-Germany | 1   | 16,000           | 2,880   | 18,880             | 18,880            |
| 16     | 5118.1  | L(+)-Arabinose                | 50 g      | ROTH-Germany | 1   | 22,808           | 4,105   | 26,913             | 26,913            |
| 17     | K306.1  | Amberlite®                    | 100 g     | ROTH-Germany | 1   | 19,063           | 3,431   | 22,494             | 22,494            |
| 18     | 9798.1  | DL-Alanine                    | 100 g     | ROTH-Germany | 1   | 28,934           | 5,208   | 34,142             | 34,142            |
| 19     | 9162.1  | BICINE ≥99 %                  | 50 g      | ROTH-Germany | 1   | 25,192           | 4,535   | 29,727             | 29,727            |
| 20     | 5935.1  | Boric acid                    | 1 Kg      | ROTH-Germany | 1   | 6,983            | 1,257   | 8,240              | 8,240             |



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| Sr. No | Cat No. | Description                           | Pack Size | Company      | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|---------|---------------------------------------|-----------|--------------|-----|------------------|---------|--------------------|-------------------|
| 21     | 7867.2  | N,N-Methylene Bisacrylamide           | 100 g     | ROTH-Germany | 1   | 21,446           | 3,860   | 25,306             | 25,306            |
| 22     | 7867.1  | N'N Methylene Bisacrylamide           | 50g       | ROTH-Germany | 1   | 16,339           | 2,941   | 19,280             | 19,280            |
| 23     | 9161.1  | Cetyltrimethylammonium bromide (CTAB) | 100 g     | ROTH-Germany | 1   | 16,000           | 2,880   | 18,880             | 18,880            |
| 24     | 6859.1  | Carmine (C.I 75470)                   | 10 g      | ROTH-Germany | 1   | 45,956           | 8,272   | 54,228             | 54,228            |
| 25     | 3812.2  | Calcium D Pantothenate                | 100 g     | ROTH-Germany | 1   | 16,339           | 2,941   | 19,280             | 19,280            |
| 26     | 3812.1  | Calcium D Pantothenate                | 250 g     | ROTH-Germany | 1   | 32,680           | 5,882   | 38,562             | 38,562            |
| 27     | 1479.1  | CHAPS, PUFFERAN® ≥98 %                | 5 g       | ROTH-Germany | 1   | 33,019           | 5,943   | 38,962             | 38,962            |
| 28     | T885.1  | Calcium Chloride                      | 1KG       | ROTH-Germany | 1   | 18,384           | 3,309   | 21,693             | 21,693            |
| 29     | 8450.2  | Calcium Phosphat Tribasic             | 1 kg      | ROTH-Germany | 1   | 19,063           | 3,431   | 22,494             | 22,494            |
| 30     | 3886.2  | Chloramphenicol                       | 25 g      | ROTH-Germany | 1   | 15,318           | 2,757   | 18,075             | 18,075            |
| 31     | 8682.1  | Cycloheximide                         | 1 g       | ROTH-Germany | 1   | 59,573           | 10,723  | 70,296             | 70,296            |
| 32     | 0011.1  | Celite® 545                           | 2.5 kg    | ROTH-Germany | 1   | 40,849           | 7,353   | 48,202             | 48,202            |
| 33     | K028.1  | DEPC (Diethylpyrocarbonate)           | 25 ml     | ROTH-Germany | 1   | 37,828           | 6,809   | 44,637             | 44,637            |
| 34     | X997.1  | D-(+) Glucose                         | 250 g     | ROTH-Germany | 1   | 5,107            | 919     | 6,026              | 6,026             |
| 35     | CN96.2  | 2-Deoxy-D-Glucose                     | 1 g       | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 36     | T921.1  | Dimethyl Formamide                    | 1 L       | ROTH-Germany | 1   | 32,340           | 5,821   | 38,161             | 38,161            |
| 37     | A994.2  | Dimethyl Sulphoxide >99.5 %           | 250 ml    | ROTH-Germany | 1   | 19,063           | 3,431   | 22,494             | 22,494            |
| 38     | 4720.2  | Dimethyl sulphoxide (DMSO)            | 500 ml    | ROTH-Germany | 1   | 16,339           | 2,941   | 19,280             | 19,280            |
| 39     | 4720.1  | Dimethyl sulphoxide (DMSO)            | 1 L       | ROTH-Germany | 1   | 25,531           | 4,596   | 30,127             | 30,127            |
| 40     | T143.3  | DEPC-Water                            | 1 L       | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 41     | X996.1  | DNase Away                            | 250 ml    | ROTH-Germany | 1   | 42,551           | 7,659   | 50,210             | 50,210            |
| 42     | 6335.1  | DAPI                                  | 25 mg     | ROTH-Germany | 1   | 56,167           | 10,110  | 66,277             | 66,277            |
| 43     | HP33.1  | Denhardt's Solution (50x)             | for 50 ml | ROTH-Germany | 1   | 61,274           | 11,029  | 72,303             | 72,303            |
| 44     | 7870.1  | Ethidium Bromide                      | 1 g       | ROTH-Germany | 1   | 12,937           | 2,329   | 15,266             | 15,266            |
| 45     | 7870.2  | Ethidium Bromide                      | 5 g       | ROTH-Germany | 1   | 42,922           | 7,726   | 50,648             | 50,648            |
| 46     | HP46.1  | Ethidium Bromide Solution 0.5%        | 15 ml     | ROTH-Germany | 1   | 15,660           | 2,819   | 18,479             | 18,479            |
| 47     | 2218.1  | Ethidium Bromide Solution 1%          | 10 ml     | ROTH-Germany | 1   | 14,978           | 2,696   | 17,674             | 17,674            |
| 48     | 2218.2  | Ethidium Bromide Solution 1%          | 30 ml     | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 49     | 3054.1  | EGTA                                  | 10 g      | ROTH-Germany | 1   | 25,531           | 4,596   | 30,127             | 30,127            |
| 50     | CN06.2  | Ethylenediamine tetraacetic acid      | 500 g     | ROTH-Germany | 1   | 12,508           | 2,251   | 14,759             | 14,759            |
| 51     | X986.2  | EDTA                                  | 1 Kg      | ROTH-Germany | 1   | 22,126           | 3,983   | 26,109             | 26,109            |

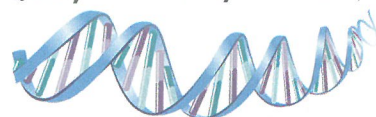




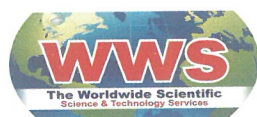
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| Sr. No | Cat No. | Description                                        | Pack Size | Company      | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|---------|----------------------------------------------------|-----------|--------------|-----|------------------|---------|--------------------|-------------------|
| 52     | CN06.3  | EDTA                                               | 1 Kg      | ROTH-Germany | 1   | 22,126           | 3,983   | 26,109             | 26,109            |
| 53     | A133.2  | Fast oxidation for DNA Synthesis                   | 450 ml    | ROTH-Germany | 1   | 51,064           | 9,192   | 60,256             | 60,256            |
| 54     | P040.1  | Formamid Deionisiert                               | 250ml     | ROTH-Germany | 1   | 45,956           | 8,272   | 54,228             | 54,228            |
| 55     | T912.1  | Folic acid                                         | 25g       | ROTH-Germany | 1   | 25,531           | 4,596   | 30,127             | 30,127            |
| 56     | CN90.1  | Ficoll® 400                                        | 10 g      | ROTH-Germany | 1   | 19,403           | 3,493   | 22,896             | 22,896            |
| 57     | 4308.1  | Gelatine                                           | 1 Kg      | ROTH-Germany | 1   | 25,871           | 4,657   | 30,528             | 30,528            |
| 58     | 6069.1  | Guandidine Hydrochloride                           | 1 kg      | ROTH-Germany | 1   | 32,680           | 5,882   | 38,562             | 38,562            |
| 59     | 6069.2  | Guandidine Hydrochloride                           | 500 g     | ROTH-Germany | 1   | 21,786           | 3,921   | 25,707             | 25,707            |
| 60     | 0035.1  | Guanidine hydrochloride                            | 100 g     | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 61     | 0017.2  | Guanidine thiocyanate                              | 1 Kg      | ROTH-Germany | 1   | 129,356          | 23,284  | 152,640            | 152,640           |
| 62     | 0017.3  | Guanidine Thiocynate                               | 500 g     | ROTH-Germany | 1   | 73,189           | 13,174  | 86,363             | 86,363            |
| 63     | HP51.4  | Glycogen                                           | 25 g      | ROTH-Germany | 1   | 148,080          | 26,654  | 174,734            | 174,734           |
| 64     | 6119.1  | α-D-Glucose-1-phosphate disodium Salt Tetrahydrate | 1 g       | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 65     | 9105.2  | HEPES                                              | 100 g     | ROTH-Germany | 1   | 15,318           | 2,757   | 18,075             | 18,075            |
| 66     | HN78.1  | HEPES                                              | 100 g     | ROTH-Germany | 1   | 13,616           | 2,451   | 16,067             | 16,067            |
| 67     | 2557.2  | 8-Hydroxyquinoline                                 | 100 g     | ROTH-Germany | 1   | 25,871           | 4,657   | 30,528             | 30,528            |
| 68     | 3899.2  | Imidazole                                          | 250 g     | ROTH-Germany | 1   | 33,019           | 5,943   | 38,962             | 38,962            |
| 69     | 3899.3  | Imidazole                                          | 500 g     | ROTH-Germany | 1   | 56,167           | 10,110  | 66,277             | 66,277            |
| 70     | 3899.4  | Imidazole                                          | 1 Kg      | ROTH-Germany | 1   | 81,698           | 14,706  | 96,404             | 96,404            |
| 71     | 8780.1  | Nalidixinsaur                                      | 10 g      | ROTH-Germany | 1   | 62,976           | 11,336  | 74,312             | 74,312            |
| 72     | 4377.1  | Nile Blue A                                        | 10 g      | ROTH-Germany | 1   | 45,956           | 8,272   | 54,228             | 54,228            |
| 73     | T832.2  | Kanamycin Sulfate                                  | 25 g      | ROTH-Germany | 1   | 50,622           | 9,112   | 59,734             | 59,734            |
| 74     | P007.1  | Lithium Chloride                                   | 250 g     | ROTH-Germany | 1   | 16,000           | 2,880   | 18,880             | 18,880            |
| 75     | 8921.1  | Lactose Monohydrate                                | 1 Kg      | ROTH-Germany | 1   | 11,575           | 2,084   | 13,659             | 13,659            |
| 76     | 3076.1  | L-Alanine                                          | 25 g      | ROTH-Germany | 1   | 13,277           | 2,390   | 15,667             | 15,667            |
| 77     | T205.2  | L-Proline                                          | 100 g     | ROTH-Germany | 1   | 21,786           | 3,921   | 25,707             | 25,707            |
| 78     | 4858.2  | L-Tryptophane                                      | 100 g     | ROTH-Germany | 1   | 49,360           | 8,885   | 58,245             | 58,245            |
| 79     | 8259.1  | Lysozyme                                           | 1 g       | ROTH-Germany | 1   | 12,937           | 2,329   | 15,266             | 15,266            |
| 80     | 4682.1  | L-Serine                                           | 100 g     | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 81     | 1695.1  | L-Cysteine                                         | 25 g      | ROTH-Germany | 1   | 15,318           | 2,757   | 18,075             | 18,075            |
| 82     | 1693.2  | L-Cysteine                                         | 100 g     | ROTH-Germany | 1   | 39,148           | 7,047   | 46,195             | 46,195            |
| 83     | 1697.1  | L-Histidine Hydrochloride Monohydrate              | 25 g      | ROTH-Germany | 1   | 30,296           | 5,453   | 35,749             | 35,749            |



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| Sr. No | Cat No. | Description                                     | Pack Size | Company      | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|---------|-------------------------------------------------|-----------|--------------|-----|------------------|---------|--------------------|-------------------|
| 84     | HP50.1  | Minearl Oli                                     | 10 ml     | ROTH-Germany | 1   | 9,192            | 1,655   | 10,847             | 10,847            |
| 85     | 5895.2  | Malachite Green Oxalate (C.I 42000)             | 25 g      | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 86     | 6927.1  | MOPS Sodium Salt PUFFERAN®                      | 25 g      | ROTH-Germany | 1   | 15,318           | 2,757   | 18,075             | 18,075            |
| 87     | 6927.2  | MOPS Sodium Salt PUFFERAN®                      | 100 g     | ROTH-Germany | 1   | 40,849           | 7,353   | 48,202             | 48,202            |
| 88     | 4227.3  | 2-Mercaptoethanol                               | 100ml     | ROTH-Germany | 1   | 16,500           | 2,970   | 19,470             | 19,470            |
| 89     | 4227.1  | Mecrcaptoethanol                                | 250 ml    | ROTH-Germany | 1   | 32,000           | 5,760   | 37,760             | 37,760            |
| 90     | 4227.2  | 2-Mercaptoethanol                               | 1 L       | ROTH-Germany | 1   | 48,000           | 8,640   | 56,640             | 56,640            |
| 91     | K304.1  | Malic Acid                                      | 500 g     | ROTH-Germany | 1   | 22,469           | 4,044   | 26,513             | 26,513            |
| 92     | 3255.1  | Water, sterile, pyrogen-free, hypotonic         | 1 L       | ROTH-Germany | 1   | 29,276           | 5,270   | 34,546             | 34,546            |
| 93     | X976.2  | Malt Extract                                    | 1 kg      | ROTH-Germany | 1   | 28,934           | 5,208   | 34,142             | 34,142            |
| 94     | 4126.1  | N-Acetyl-L-Cysteine                             | 25 g      | ROTH-Germany | 1   | 22,469           | 4,044   | 26,513             | 26,513            |
| 95     | 4342.1  | N-(1-Naphthyl)-ethylene-diamine dihydrochloride | 25 g      | ROTH-Germany | 1   | 51,064           | 9,192   | 60,256             | 60,256            |
| 96     | 4082.2  | 4-Nitrophenyl-beta-D-Glucopyranoside            | 1 g       | ROTH-Germany | 1   | 25,871           | 4,657   | 30,528             | 30,528            |
| 97     | 4082.1  | 4-Nitrophenyl-beta-D-Glucopyranoside            | 500mg     | ROTH-Germany | 1   | 17,022           | 3,064   | 20,086             | 20,086            |
| 98     | 4081.1  | 4-Nitrophenyl-beta-D-Galactopyranosid           | 1 g       | ROTH-Germany | 1   | 22,126           | 3,983   | 26,109             | 26,109            |
| 99     | AE11.1  | NAD                                             | 1 g       | ROTH-Germany | 1   | 19,063           | 3,431   | 22,494             | 22,494            |
| 100    | AE13.1  | NADP Disodium Salt                              | 250 mg    | ROTH-Germany | 1   | 19,063           | 3,431   | 22,494             | 22,494            |
| 101    | X928.1  | Nutrient Agar                                   | 500 g     | ROTH-Germany | 1   | 39,828           | 7,169   | 46,997             | 46,997            |
| 102    | X929.1  | Nutrient Broth                                  | 500 g     | ROTH-Germany | 1   | 42,551           | 7,659   | 50,210             | 50,210            |
| 103    | T145.2  | Powder Milk                                     | 500 g     | ROTH-Germany | 1   | 12,937           | 2,329   | 15,266             | 15,266            |
| 104    | T145.3  | Powder Milk                                     | 1KG       | ROTH-Germany | 1   | 19,403           | 3,493   | 22,896             | 22,896            |
| 105    | 8793.1  | Pyruic Acid Sodium salt                         | 25 g      | ROTH-Germany | 1   | 14,639           | 2,635   | 17,274             | 17,274            |
| 106    | 3048.1  | Polyacrylamide                                  | 500 g     | ROTH-Germany | 1   | 33,019           | 5,943   | 38,962             | 38,962            |
| 107    | 0156.1  | Polyethylene glycol (PEG) 4000                  | 1Kg       | ROTH-Germany | 1   | 15,318           | 2,757   | 18,075             | 18,075            |
| 108    | 0158.1  | PEG 6000                                        | 1 Kg      | ROTH-Germany | 1   | 15,318           | 2,757   | 18,075             | 18,075            |
| 109    | 0263.2  | Polyethylene glycol (PEG) 8000                  | 1Kg       | ROTH-Germany | 1   | 15,318           | 2,757   | 18,075             | 18,075            |
| 110    | 6367.1  | Phenylmethyl sulphonyl fluoride                 | 5 g       | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 111    | 6367.2  | PMSF                                            | 25 g      | ROTH-Germany | 1   | 76,592           | 13,787  | 90,379             | 90,379            |
| 112    | X887.2  | Potassium Hydrogen carbonate                    | 1 Kg      | ROTH-Germany | 1   | 14,978           | 2,696   | 17,674             | 17,674            |
| 113    | 4986.1  | Potassium Acetate                               | 1 Kg      | ROTH-Germany | 1   | 29,276           | 5,270   | 34,546             | 34,546            |

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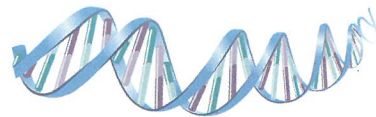
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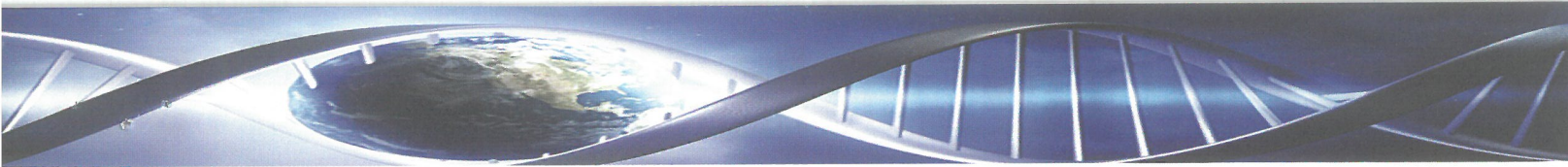


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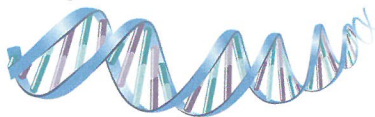


| Sr. No | Cat No. | Description                                | Pack Size | Company      | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|---------|--------------------------------------------|-----------|--------------|-----|------------------|---------|--------------------|-------------------|
| 114    | 7956.1  | Potassium Carbonate                        | 1 Kg      | ROTH-Germany | 1   | 11,575           | 2,084   | 13,659             | 13,659            |
| 115    | P018.2  | Potassium dihydrogen phosphate             | 1 Kg      | ROTH-Germany | 1   | 19,745           | 3,554   | 23,299             | 23,299            |
| 116    | 6751.1  | Potassium hydroxide                        | 1 Kg      | ROTH-Germany | 1   | 22,126           | 3,983   | 26,109             | 26,109            |
| 117    | 7528.1  | Proteinase K                               | 100 mg    | ROTH-Germany | 1   | 36,533           | 6,576   | 43,109             | 43,109            |
| 118    | 7528.3  | Proteinase K                               | 500 mg    | ROTH-Germany | 1   | 108,043          | 19,448  | 127,491            | 127,491           |
| 119    | 2936.1  | Pepstatin A                                | 5 mg      | ROTH-Germany | 1   | 25,531           | 4,596   | 30,127             | 30,127            |
| 120    | 7156.1  | Ribonuclease A                             | 100 mg    | ROTH-Germany | 1   | 33,361           | 6,005   | 39,366             | 39,366            |
| 121    | 3029.1  | Acrylamid/Bis solution Gel 30 (37.5        | 1 Lit     | ROTH-Germany | 1   | 51,064           | 9,192   | 60,256             | 60,256            |
| 122    | A516.1  | Rotiphorese NF-Acrylamide/Bis-solution 40% | 250ml     | ROTH-Germany | 1   | 40,849           | 7,353   | 48,202             | 48,202            |
| 123    | A156.2  | ROTI®Phenol/Chloroform/Isoamyl Alcohol     | 500 ml    | ROTH-Germany | 1   | 68,041           | 12,247  | 80,288             | 80,288            |
| 124    | CL86.1  | Rotiphorese® 50X TAE Buffer                | 1 Lit     | ROTH-Germany | 1   | 38,275           | 6,890   | 45,165             | 45,165            |
| 125    | 3061.1  | Rotiphorese® 10X TBE Buffer                | 1 Lit     | ROTH-Germany | 1   | 32,680           | 5,882   | 38,562             | 38,562            |
| 126    | 1052.1  | Rotiphorese® 100X TE                       | 1 Lit     | ROTH-Germany | 1   | 51,064           | 9,192   | 60,256             | 60,256            |
| 127    | A980.3  | ROTI®Aqua-Phenol                           | 500 ml    | ROTH-Germany | 1   | 42,551           | 7,659   | 50,210             | 50,210            |
| 128    | 38.3    | Roti® Phenol Saturated                     | 500 ml    | ROTH-Germany | 1   | 61,274           | 11,029  | 72,303             | 72,303            |
| 129    | X984.2  | Roti®-C/I                                  | 500ml     | ROTH-Germany | 1   | 42,551           | 7,659   | 50,210             | 50,210            |
| 130    | K305.1  | Sodium Azide                               | 100g      | ROTH-Germany | 1   | 22,126           | 3,983   | 26,109             | 26,109            |
| 131    | K305.2  | Sodium Azide                               | 250g      | ROTH-Germany | 1   | 33,361           | 6,005   | 39,366             | 39,366            |
| 132    | 9265.1  | Sodium chloride                            | 1 Kg      | ROTH-Germany | 1   | 4,768            | 858     | 5,626              | 5,626             |
| 133    | X891.2  | Sodium Acetate                             | 1Kg       | ROTH-Germany | 1   | 11,915           | 2,145   | 14,060             | 14,060            |
| 134    | P755.2  | Sodium Disulfite                           | 1KG       | ROTH-Germany | 1   | 16,000           | 2,880   | 18,880             | 18,880            |
| 135    | 9062.3  | Sodium Hypochlorite Solution               | 1 L       | ROTH-Germany | 1   | 45,956           | 8,272   | 54,228             | 54,228            |
| 136    | 0965.1  | Sodium Hydrogen Carbonate                  | 500 g     | ROTH-Germany | 1   | 8,170            | 1,471   | 9,641              | 9,641             |
| 137    | 4088.1  | tri Sodium Citrate dehydrate               | 1 kg      | ROTH-Germany | 1   | 12,937           | 2,329   | 15,266             | 15,266            |
| 138    | 9356.1  | Sodium hydroxide                           | 1 Kg      | ROTH-Germany | 1   | 9,871            | 1,777   | 11,648             | 11,648            |
| 139    | P033.2  | Sodium Sulphate Anhydrous                  | 1 kg      | ROTH-Germany | 1   | 18,384           | 3,309   | 21,693             | 21,693            |
| 140    | 5136.1  | SDS                                        | 1 Kg      | ROTH-Germany | 1   | 36,764           | 6,618   | 43,382             | 43,382            |



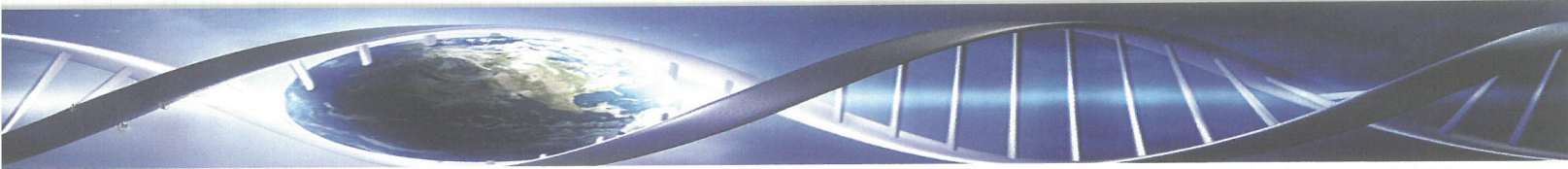
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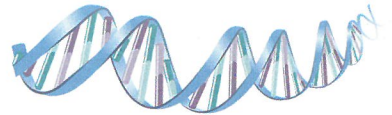
| Sr. No | Cat No. | Description                                                    | Pack Size | Company      | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|---------|----------------------------------------------------------------|-----------|--------------|-----|------------------|---------|--------------------|-------------------|
| 141    | 4360.1  | SDS                                                            | 250 g     | ROTH-Germany | 1   | 16,339           | 2,941   | 19,280             | 19,280            |
| 142    | 7162.1  | Sperimin                                                       | 2.5 g     | ROTH-Germany | 1   | 34,764           | 6,258   | 41,022             | 41,022            |
| 143    | 2367.1  | TEMED                                                          | 100 ml    | ROTH-Germany | 1   | 18,724           | 3,370   | 22,094             | 22,094            |
| 144    | 2367.2  | TEMED                                                          | 250 ml    | ROTH-Germany | 1   | 33,019           | 5,943   | 38,962             | 38,962            |
| 145    | 4859.1  | Tween® 80                                                      | 25 g      | ROTH-Germany | 1   | 11,575           | 2,084   | 13,659             | 13,659            |
| 146    | 9127.2  | Tween® 20                                                      | 1 Kg      | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 147    | 3051.2  | Triton X 100                                                   | 1 L       | ROTH-Germany | 1   | 19,063           | 3,431   | 22,494             | 22,494            |
| 148    | 5455.1  | Trypsin                                                        | 100 mg    | ROTH-Germany | 1   | 12,937           | 2,329   | 15,266             | 15,266            |
| 149    | 2315.1  | X-Gal                                                          | 100 mg    | ROTH-Germany | 1   | 13,616           | 2,451   | 16,067             | 16,067            |
| 150    | A513.1  | Xylencyanol                                                    | 10 g      | ROTH-Germany | 1   | 42,551           | 7,659   | 50,210             | 50,210            |
| 151    | HP26.1  | Yeast Nitrogen Base                                            | 500 g     | ROTH-Germany | 1   | 83,400           | 15,012  | 98,412             | 98,412            |
| 152    | 2363.2  | Yeast Extract                                                  | 1 Kg      | ROTH-Germany | 1   | 78,296           | 14,093  | 92,389             | 92,389            |
| 153    | 3533.1  | Zinc Chloride                                                  | 0         | ROTH-Germany | 1   | 11,915           | 2,145   | 14,060             | 14,060            |
| 154    | HE73.1  | Heat-resistant gloves up to 500 °C, Five-finger glove          | Pair      | ROTH-Germany | 1   | 40,849           | 7,353   | 48,202             | 48,202            |
| 155    | K970.1  | Cold Resistant Gloves Cama Iso                                 | 1 Pair    | ROTH-Germany | 1   | 29,616           | 5,331   | 34,947             | 34,947            |
| 156    | 0041.1  | Membrane Nitrocellulose Standard 200mmx3 m (Proe size 0.45 µm) | 1 Pcs     | ROTH-Germany | 1   | 180,419          | 32,475  | 212,894            | 212,894           |
| 157    | 0031.1  | Membrane Nitrocellulose Standard 200mmx3 m (Proe size 0.2 µm)  | 1 Pcs     | ROTH-Germany | 1   | 175,313          | 31,556  | 206,869            | 206,869           |
| 158    | T830.1  | Roti® PVDF Mambrane 0.45 µm (375x26.5 cm)                      | 1 Roll    | ROTH-Germany | 1   | 163,398          | 29,412  | 192,810            | 192,810           |
| 159    | CY45.1  | Cellulose Mixed Ester Mambrande Filter 0.45 µm                 | 100 Pcs   | ROTH-Germany | 1   | 63,658           | 11,458  | 75,116             | 75,116            |
| 160    | 5987.1  | Vacuum Filter Unit, Duran®                                     | 1 Pcs     | ROTH-Germany | 1   | 151,482          | 27,267  | 178,749            | 178,749           |
| 161    | K994.1  | Micro Homogenizers                                             | 6/Pack    | ROTH-Germany | 1   | 25,871           | 4,657   | 30,528             | 30,528            |
| 162    | EA 91.1 | Disposable Inoculating Loops & Needles                         | 1000 Pcs  | ROTH-Germany | 1   | 45,956           | 8,272   | 54,228             | 54,228            |
| 163    | 2150.1  | Rotilabo®-Disposable Weighing Trays                            | 500 Pcs   | ROTH-Germany | 1   | 33,361           | 6,005   | 39,366             | 39,366            |
| 164    | 1884.1  | Rotilabo®-Disposable Weighing Trays                            | 500 Pcs   | ROTH-Germany | 1   | 32,340           | 5,821   | 38,161             | 38,161            |
| 165    | 1099.1  | Derawer Transporting Container                                 | 1 Pcs     | ROTH-Germany | 1   | 166,550          | 29,979  | 196,529            | 196,529           |
| 166    | NA16.1  | Rotilabo®-Safety Microcentrifuge Tubes 2.0 ml                  | 1000 Pcs  | ROTH-Germany | 1   | 13,616           | 2,451   | 16,067             | 16,067            |





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| Sr. No | Cat No. | Description                               | Pack Size | Company      | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|---------|-------------------------------------------|-----------|--------------|-----|------------------|---------|--------------------|-------------------|
| 167    | 9293.1  | Rotilabo®-Microtest Plates F-Profile Flat | 100 Pcs   | ROTH-Germany | 1   | 42,551           | 7,659   | 50,210             | 50,210            |
| 168    | 9291.1  | Microtitration plates ROTILABO® U-profil  | 100/Pack  | ROTH-Germany | 1   | 42,551           | 7,659   | 50,210             | 50,210            |
| 169    | P200.1  | Rotilabo®-Floating Rack                   | 5 Rack/PK | ROTH-Germany | 1   | 13,158           | 2,368   | 15,526             | 15,526            |
| 170    | T099.1  | Rotilabo®-PCR-racks                       | 1 Rack    | ROTH-Germany | 1   | 6,128            | 1,103   | 7,231              | 7,231             |
| 171    | CA34.1  | UV Face Screen                            | 1 Pcs     | ROTH-Germany | 1   | 49,360           | 8,885   | 58,245             | 58,245            |
| 172    | CA36.1  | UV-Safety Spectacles Millennia Sport      | 1 Pcs     | ROTH-Germany | 1   | 22,741           | 4,093   | 26,834             | 26,834            |
| 173    | PP38.1  | Electroporation Cuvettes 1 mm             | 50 Pcs    | ROTH-Germany | 1   | 100,422          | 18,076  | 118,498            | 118,498           |

**TERMS & CONDITIONS:-**

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With best regards

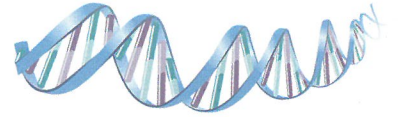


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To, **The Director (DPIC)**  
  
University of Agriculture  
Faisalabad.  
  
Tender Ref: WWS/UAF/2024-5318  
Dated: 26 March, 2024

**FINANCIAL PROPOSAL**  
  
NTN No. 143526-2  
GST No. 03-09-9018-005-82

SUBJECT: **TENDER NO. 24/2024 FOR THE PURCHASE OF "CHEMICALS & PLASTICWARE"**  
**DUE DATE: 01.04.2024**

Dear Sir,  
We hope you will find this Tender/Quotation satisfactory and we look forward for your comments and valued order.

| Sr. No | Cat No. | Description                          | Pack Size  | Company             | Qty | Unit Price (PKR) | GST Exempted | Unit Price Inc GST | Total Price (PKR) |
|--------|---------|--------------------------------------|------------|---------------------|-----|------------------|--------------|--------------------|-------------------|
| 1      |         | Primers 50nmol Scale Synthesis       | Each Bases | Synbio Technologies | 1   | 75               | -            | 75                 | 75                |
|        |         | Primers 200 nmol Scale Synthesis     | Each Base  | Synbio Technologies | 1   | 137              | -            | 137                | 137               |
| 2      |         | Gene Synthesis with Universal Vector | Each Base  | Synbio Technologies | 1   | 165              | -            | 165                | 165               |

TERMS & CONDITIONS:-

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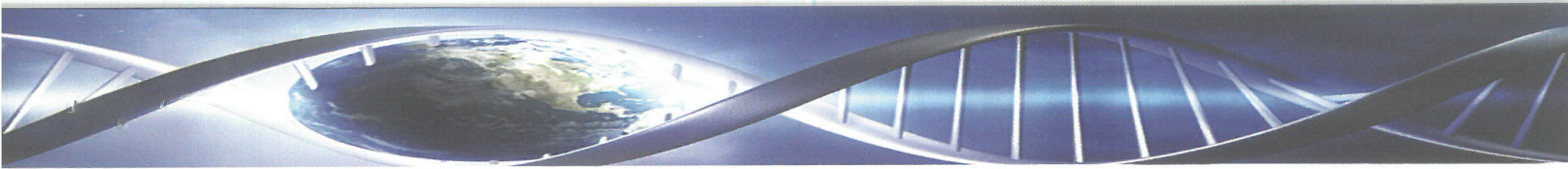
With best regards



MOAZZAM ISLAM

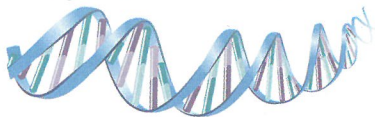
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To, **The Director (DPIC)**  
  
University of Agriculture  
Faisalabad.  
  
Tender Ref: WWS/UAF/2024-5318  
Dated: 26 March, 2024

**FINANCIAL PROPOSAL**  
  
NTN No. 143526-2  
GST No. 03-09-9018-005-82

**SUBJECT: TENDER NO. 24/2024 FOR THE PURCHASE OF "CHEMICALS & PLASTICWARE"**  
**DUE DATE: 01.04.2024**

Dear Sir,  
We hope you will find this Tender/Quotation satisfactory and we look forward for your comments and valued order.

| Sr. No | Cat No.    | Description                      | Pack Size | Company        | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|------------|----------------------------------|-----------|----------------|-----|------------------|---------|--------------------|-------------------|
| 1      | PPM-100    | Plant Preservative Mixture (PPM) | 100 ml    | Plant Cell-USA | 1   | 57,600           | 10,368  | 67,968             | 67,968            |
| 2      | PPM-500    | Plant Preservative Mixture (PPM) | 500 ml    | Plant Cell-USA | 1   | 148,800          | 26,784  | 175,584            | 175,584           |
| 3      | A296-100G  | Plant Agar                       | 100 g     | Plant Cell-USA | 1   | 8,040            | 1,447   | 9,487              | 9,487             |
|        | A296-500G  | Plant Agar                       | 500 g     | Plant Cell-USA | 1   | 31,800           | 5,724   | 37,524             | 37,524            |
|        | A296-1 Kg  | Plant Agar                       | 1 Kg      | Plant Cell-USA | 1   | 56,400           | 10,152  | 66,552             | 66,552            |
| 4      | G3251-100G | Gellan Gum                       | 100 g     | Plant Cell-USA | 1   | 17,400           | 3,132   | 20,532             | 20,532            |
|        | G3251-500G | Gellan Gum                       | 500 g     | Plant Cell-USA | 1   | 43,200           | 7,776   | 50,976             | 50,976            |
|        | G3251-1 Kg | Gellan Gum                       | 1 Kg      | Plant Cell-USA | 1   | 67,200           | 12,096  | 79,296             | 79,296            |

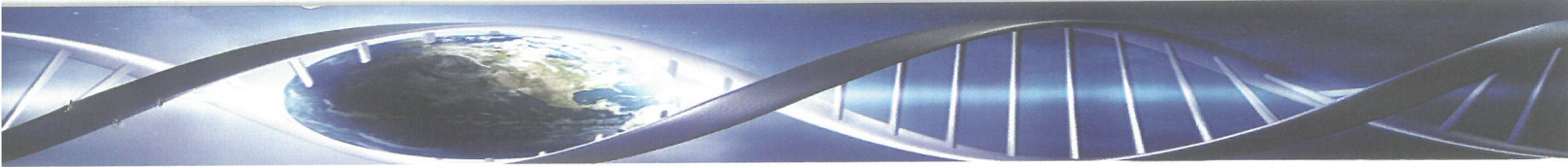
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With best regards

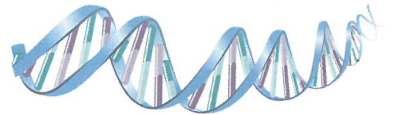


*[Handwritten signatures and initials]*



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To, **The Director (DPIC)**  
  
University of Agriculture  
Faisalabad.  
  
Tender Ref: **WWS/UAF/2024-5318**  
Dated: **26 March, 2024**

**FINANCIAL PROPOSAL**  
  
**NTN No. 143526-2**  
**GST No. 03-09-9018-005-82**

**SUBJECT: TENDER NO. 24/2024 FOR THE PURCHASE OF "CHEMICALS & PLASTICWARE"**  
**DUE DATE: 01.04.2024**

Dear Sir,  
We hope you will find this Tender/Quotation satisfactory and we look forward for your comments and valued order.

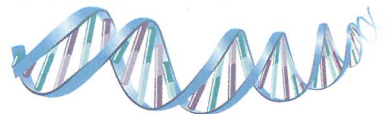
| Sr. No | Cat No.  | Description                                                            | Pack Size | Company          | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|----------|------------------------------------------------------------------------|-----------|------------------|-----|------------------|---------|--------------------|-------------------|
| 1      | SGB004   | Centrifuge Tube 2.0 mL with Safelock                                   | 500/Pack  | Bio Seen         | 1   | 22,440           | 4,039   | 26,479             | 26,479            |
|        | 752001   | 90 x 15 mm Petri Dish, Sterile                                         | 500/Case  | Nest Scientific® | 1   | 25,800           | 4,644   | 30,444             | 30,444            |
| 2      | SGA001   | Pipette White Tip 10µl                                                 | 1000/Pack | Bio Seen         | 1   | 1,776            | 320     | 2,096              | 2,096             |
|        | SGA002   | Pipette Yellow Tip 200ul                                               | 1000/Pack | Bio Seen         | 1   | 1,776            | 320     | 2,096              | 2,096             |
|        | SGA003   | Pipette Blue Tip 1000ul                                                | 1000/Pack | Bio Seen         | 1   | 3,540            | 637     | 4,177              | 4,177             |
| 3      | SGB003-T | Microcentrifuge Tubes 1.5 ml                                           | 1000/Pack | Bio Seen         | 1   | 3,840            | 691     | 4,531              | 4,531             |
|        | 615001   | Microcentrifuge Tube 1.5 mL                                            | 1000/Pack | Nest Scientific® | 1   | 5,400            | 972     | 6,372              | 6,372             |
| 4      | SGB001-F | PCR Tube 0.2ml, thin, Flat top caps                                    | 1000/Pack | Bio Seen         | 1   | 6,960            | 1,253   | 8,213              | 8,213             |
| 5      | C79801   | EU 0.5 ml Thin-wall tube, Graduated with Optical Flat Cap              | 1000/Pack | Bioplastics      | 1   | 15,240           | 2,743   | 17,983             | 17,983            |
| 6      | SGB020   | Centrifuge Self Standing Tubes 2.0 ml                                  | 100/Pack  | Bio Seen         | 1   | 5,760            | 1,037   | 6,797              | 6,797             |
|        | 620611   | 2.0 mL Microcentrifuge Tube, Clear, Round, Lock Cap, Sterile           | 800/Pk    | Nest Scientific® | 1   | 10,680           | 1,922   | 12,602             | 12,602            |
|        | SGB004   | Centrifuge Tube 2.0 mL with Safelock                                   | 500/Pack  | Bio Seen         | 1   | 5,400            | 972     | 6,372              | 6,372             |
| 7      | SGB-1400 | 100-well Cryogenic Boxes                                               | Each      | Bio Seen         | 1   | 1,980            | 356     | 2,336              | 2,336             |
| 8      | SGB024   | Multi-Rack for Centrifuge tube 0.2-50ml                                | Each      | Bio Seen         | 1   | 1,776            | 320     | 2,096              | 2,096             |
| 9      | SGB011-S | Falcon / Centrifuge Tube 15ml                                          | 1000/Pack | Bio Seen         | 1   | 21,000           | 3,780   | 24,780             | 24,780            |
| 10     | SGB012-S | Falcon / Centrifuge Tube 50ml                                          | 500/Case  | Bio Seen         | 1   | 19,800           | 3,564   | 23,364             | 23,364            |
| 11     | 710001   | Cell Scrape, handle 220 mm, Blade 13 mm, Sterile, Individually Wrapped | 100/Cs    | Nest Scientific® | 1   | 34,200           | 6,156   | 40,356             | 40,356            |
| 12     | 324001   | Serological Pipette, Individually Wrapped, Sterile 1 mL                | 500/Pack  | Nest Scientific® | 1   | 23,400           | 4,212   | 27,612             | 27,612            |
|        | 325001   | Serological Pipette, Individually Wrapped, Sterile 2 mL                | 400/Pack  | Nest Scientific® | 1   | 22,800           | 4,104   | 26,904             | 26,904            |





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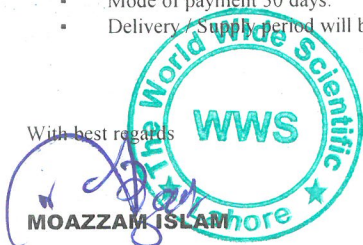


| Sr. No | Cat No. | Description                                              | Pack Size | Company          | Qty | Unit Price (PKR) | GST 18% | Unit Price Inc GST | Total Price (PKR) |
|--------|---------|----------------------------------------------------------|-----------|------------------|-----|------------------|---------|--------------------|-------------------|
|        | 326001  | Serological Pipette, Individually Wrapped, Sterile 5 mL  | 200/Pk    | Nest Scientific® | 1   | 20,400           | 3,672   | 24,072             | 24,072            |
|        | 327001  | Serological Pipette, Individually Wrapped, Sterile 10 mL | 200/pk    | Nest Scientific® | 1   | 20,400           | 3,672   | 24,072             | 24,072            |
|        | 328001  | Serological Pipette, Individually Wrapped, Sterile 25 mL | 200/pk    | Nest Scientific® | 1   | 29,400           | 5,292   | 34,692             | 34,692            |
| 13     | B70501  | PCR Plates, Non-Skirted Autoclaveble (96 x 0.2 ml)       | 25/Pack   | BioPlastics      | 1   | 46,200           | 8,316   | 54,516             | 54,516            |
| 14     | 402812  | Semi-Skirted PCR Plates 0.1 ml                           | 25/Pack   | Nest Scientific® | 1   | 28,200           | 5,076   | 33,276             | 33,276            |
|        | 410001  | PCR Sealing Film 146 x 81 mm                             | 100/Pack  | Nest Scientific® | 1   | 46,440           | 8,359   | 54,799             | 54,799            |
|        | B50651  | Semi-Skirted Thin Wall qPCR Plates (96x0.2ml)            | 25/Pack   | Bioplastics      | 1   | 46,440           | 8,359   | 54,799             | 54,799            |
|        | 157300  | Optical Sealing Sheet                                    | 100/Pack  | BioPlastics      | 1   | 57,000           | 10,260  | 67,260             | 67,260            |
| 15     | 703001  | 6 Well Cell Culture Plate, Flat, TC, Sterile             | 50/Cs     | Nest Scientific® | 1   | 35,640           | 6,415   | 42,055             | 42,055            |
| 16     | 712001  | 12 Well Cell Culture Plate, Flat, TC, Sterile            | 50/Cs     | Nest Scientific® | 1   | 35,400           | 6,372   | 41,772             | 41,772            |
| 17     | 702001  | 24 Well Cell Culture Plate, Flat, TC, Sterile            | 50/Cs     | Nest Scientific® | 1   | 35,400           | 6,372   | 41,772             | 41,772            |
| 18     | 748001  | 48 Well Cell Culture Plate, Flat, TC, Sterile            | 50/Cs     | Nest Scientific® | 1   | 35,400           | 6,372   | 41,772             | 41,772            |
| 19     | 701001  | 96 Well Cell Culture Plate, Flat, TC, Sterile            | 100/cs    | Nest Scientific® | 1   | 40,800           | 7,344   | 48,144             | 48,144            |
| 20     | 610001  | Centrifuge Tube Rack 15 mL                               | Each      | Nest Scientific® | 1   | 1,776            | 320     | 2,096              | 2,096             |
| 21     | 610101  | Centrifuge Tube Rack 50 mL                               | Each      | Nest Scientific® | 1   | 1,776            | 320     | 2,096              | 2,096             |

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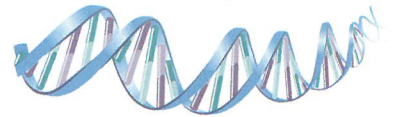


Signature



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**THE DIRECTOR  
(DPIC)**

University of Agriculture (UAF),  
FAISALABAD.

**EX-WORK PRICES**

NTN No. 1435026-2  
GST No. 03-09-9018-005-82

Ref No: WWS/UAF/2024-5318  
Dated: 26.03.2024

Subject: **TENDER NO. 24/2024 FOR "CHEMICALS, KITS, ENZYMES & PLASTICWARE".**  
**DUE DATE: EX-WORK PRICES**

| S.No | CAT NO. | PRODUCTS DESCRIPTION | PACKING | QTY | EX-WORK<br>PRICE (US\$) |
|------|---------|----------------------|---------|-----|-------------------------|
|------|---------|----------------------|---------|-----|-------------------------|

**M/S THERMO SCIENTIFIC - USA (QUOTED PRICES ARE US\$):-**

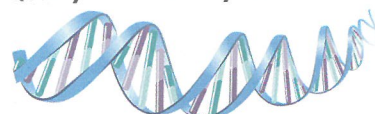
|    |        |                                               |                    |      |        |
|----|--------|-----------------------------------------------|--------------------|------|--------|
| 1  | C20300 | CyQUANT™ LDH Cytotoxicity Assay               | 200 assays         | Each | 104.00 |
| 2  | K1422  | Rapid DNA Ligation Kit                        | 50 reactions       | Each | 134.00 |
| 3  | ER1931 | Lgul (Sapl) (5 U/μL)                          | 100 units          | Each | 56.00  |
| 4  | ER0601 | PaeI (SphI) (10 U/μL)                         | 500 units          | Each | 78.00  |
| 5  | K1423  | Rapid DNA Ligation Kit                        | 150 reactions      | Each | 303.00 |
| 6  | K2711  | TransformAid Bacterial Transformation Kit     | 40 transformations | Each | 75.00  |
| 7  | K0502  | GeneJET Plasmid Miniprep Kit                  | 50 preps           | Each | 50.00  |
| 8  | A39552 | Pierce™ Chromogenic Endotoxin Quant Kit       | 60 reactions       | Each | 432.00 |
| 9  | SM1823 | RiboRuler High Range RNA Ladder, ready-to-use | (5 x 40 μL)        | Each | 222.00 |
| 10 | K1081  | DreamTaq Green PCR Master Mix (2X)            | 200 reactions      | Each | 63.00  |
| 11 | FD0084 | FastDigest BglII                              | 200 reactions      | Each | 42.00  |
| 12 | S33102 | SYBR™ Safe DNA Gel Stain                      | 400 μL             | Each | 75.00  |
| 13 | R0192  | dNTP Mix (10 mM each)                         | 1 mL               | Each | 88.00  |





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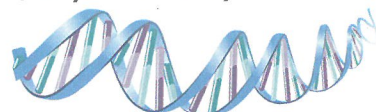


| S.No | CAT NO.  | PRODUCTS DESCRIPTION                                                                   | PACKING      | QTY  | EX-WORK<br>PRICE (US\$) |
|------|----------|----------------------------------------------------------------------------------------|--------------|------|-------------------------|
| 14   | F530S    | Phusion™ High-Fidelity DNA Polymerase (2 U/μL)                                         | 100 units    | Each | 83.00                   |
| 15   | L3000001 | Lipofectamine™ 3000 Transfection Reagent                                               | 0.1 mL       | Each | 88.00                   |
| 16   | ER0082   | BglII (10 U/μL)                                                                        | 2,500 units  | Each | 82.00                   |
| 17   | K1231    | CloneJET PCR Cloning Kit                                                               | 20 reactions | Each | 130.00                  |
| 18   | PHG0041  | Human PDGF-BB Recombinant Protein                                                      | 100 μg       | Each | 685.00                  |
| 19   | EH436RB  | HUMAN SP-D ELISA KIT                                                                   | 96 Test      | Each | 49.00                   |
| 20   | 15632011 | UltraPure™ Salmon Sperm DNA Solution                                                   | (5 x 1 mL)   | Each | 121.00                  |
| 21   | ER1021   | Bstxi                                                                                  | 500 units    | Each | 33.00                   |
| 22   | ER0595   | NotI                                                                                   | 500 units    | Each | 69.00                   |
| 23   | PHC9415  | Human Flt-3 Ligand (FLT3L) Recombinant Protein                                         | 25 μg        | Each | 365.00                  |
| 24   | PHC2054  | REC HU EPO 500 IU                                                                      | 500 IU       | Each | 426.00                  |
| 25   | K0692    | GeneJET Gel Extraction kit                                                             | 250 preps    | Each | 204.00                  |
| 26   | K0702    | GeneJET PCR Purification kit                                                           | 250 preps    | Each | 194.00                  |
| 27   | K0782    | GeneJET Blood Genomic DNA Purification kit                                             | 250 preps    | Each | 358.00                  |
| 28   | EH62RB   | human calprotectin L1/S elisa kit                                                      | 96 Test      | Each | 305.00                  |
| 29   | ER1181   | Restriction Enzyme Bpu10I (5 U/μL)                                                     |              | Each | 75.00                   |
| 30   | 12535029 | PCR Cloning System with Gateway™ Technology with pDONR™221 & OmniMAX™2 Competent Cells | 20 reactions | Each | 562.00                  |
| 31   | BMS2048  | Human IL-33- Elisa kit                                                                 | 96 Test      | Each | 347.00                  |
| 32   | ER0051   | Restriction Enzyme BamHI                                                               | 4,000 units  | Each | 29.00                   |
| 33   | A32963   | Protease Inhibitor Tablets                                                             | 20 tablets   | Each | 243.00                  |
| 34   | 18067017 | Taq PCR Buffer (10X)                                                                   | (2 x 1 mL)   | Each | 42.00                   |
| 35   | ER0725   | Restriction Enzyme BclI                                                                | 3,000 units  | Each | 61.00                   |
| 36   | R0861    | DTT (dithiothreitol)                                                                   | 5 g          | Each | 52.00                   |
| 37   | SM0323   | GeneRuler 100 bp Plus DNA Ladder, ready-to-use                                         | 50 μg        | Each | 44.00                   |
| 38   | 26616    | PAGERULER PRESTAINED PROTEIN LADDER                                                    | (2 x 250 μL) | Each | 97.00                   |
| 39   | ER0452   | Esp3I (BsmBI) (10 U/μL)                                                                | 1,000 units  | Each | 297.00                  |
| 40   | 14001012 | Platinum™ II Hot-Start Green PCR Master Mix (2X)                                       | 50 reactions | Each | 68.00                   |



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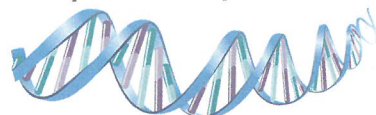
| S.No | CAT NO.      | PRODUCTS DESCRIPTION                       | PACKING            | QTY  | EX-WORK<br>PRICE (US\$) |
|------|--------------|--------------------------------------------|--------------------|------|-------------------------|
| 41   | F548S        | Phusion Flash High-Fidelity PCR Master Mix | 100 reactions      | Each | 101.00                  |
| 42   | ER0271       | EcoRI (10 U/μL)                            | 5,000 units        | Each | 37.00                   |
| 43   | ER0581       | NdeI (10 U/μL)                             | 500 units          | Each | 32.00                   |
| 44   | ER0421       | Eco147I (StuI) (10 U/μL)                   | 1,000 units        | Each | 68.00                   |
| 45   | ER0011       | AluI (10 U/μL)                             | 600 units          | Each | 40.00                   |
| 46   | ER0151       | BsuRI (HaeIII) (10 U/μL)                   | 3,000 units        | Each | 64.00                   |
| 47   | R0181        | dNTP Set 100 mM Solutions                  | (4 x 0.25 mL)      | Each | 55.00                   |
| 48   | ER0491       | HincII (HindII) (10 U/μL)                  | 500 units          | Each | 35.00                   |
| 49   | 12090015     | TE Buffer                                  | 100 ml             | Each | 56.00                   |
| 50   | K1621        | RevertAid First Strand cDNA Synthesis Kit  | 20 reactions       | Each | 57.00                   |
| 51   | 26610        | Pierce™ Unstained Protein MW Marker        | (2 x 1 mL)         | Each | 55.00                   |
| 52   | K0722        | GeneJET Genomic DNA Purification Kit       | 250 preps          | Each | 307.00                  |
| 53   | EP0442       | RevertAid Reverse Transcriptase (200 U/μL) | (5 x 10,000 units) | Each | 120.00                  |
| 54   | SM0373       | GeneRuler 50 bp DNA Ladder, ready-to-use   | 50 μg              | Each | 50.00                   |
| 55   | EP0402       | Taq DNA Polymerase, recombinant (5 U/μL)   | 500 units          | Each | 32.00                   |
| 56   | EO0492       | Proteinase K, recombinant, PCR grade       | (5 x 1.0 mL)       | Each | 77.00                   |
| 57   | K0721        | GeneJET Genomic DNA Purification Kit       | 50 preps           | Each | 70.00                   |
| 58   | K1622        | RevertAid First Strand cDNA Synthesis Kit  | 100 reactions      | Each | 172.00                  |
| 59   | B52          | TBE Buffer (Tris-borate-EDTA) (10X)        | 1 L                | Each | 42.00                   |
| 60   | K0701        | GeneJET PCR Purification Kit               | 50 preps           | Each | 58.00                   |
| 61   | AM1906       | DNA-free™ DNA Removal Kit                  | 50 reactions       | Each | 150.00                  |
| 62   | 78200.200.UL | ExoSAP-IT™ PCR Product Cleanup Reagent     | 100 reactions      | Each | 128.00                  |
| 63   | 4444432      | TaqMan™ Fast Virus 1-Step Master Mix       | (1 x 1 mL)         | Each | 442.00                  |
| 64   | SD1131       | CpG Methylated Human Genomic DNA           | 15 μg              | Each | 260.00                  |
| 65   | PHG9214      | Human TGF-beta 1 Recombinant Protein       | 10 μg              | Each | 493.00                  |
| 66   | BMS238       | IL-12 p70 Human ELISA Kit                  | 96 Test            | Each | 385.00                  |
| 67   | ER1921       | EcoRII (10 U/μL)                           | 200 units          | Each | 57.00                   |
| 68   | FD1124       | FastDigest RsaI                            | 100 reactions      | Each | 61.00                   |



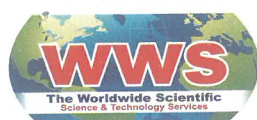


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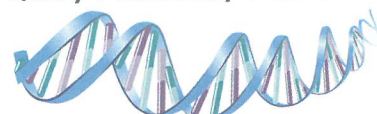
| S.No | CAT NO.  | PRODUCTS DESCRIPTION                                                                   | PACKING          | QTY  | EX-WORK<br>PRICE (US\$) |
|------|----------|----------------------------------------------------------------------------------------|------------------|------|-------------------------|
| 69   | 14966001 | Platinum™ II Taq Hot-Start DNA Polymerase                                              | 100 reactions    | Each | 99.00                   |
| 70   | BMS256   | p53 Human ELISA Kit                                                                    | 96 Test          | Each | 371.00                  |
| 71   | ER0781   | Bsp143I (Sau3AI) (10 U/μL)                                                             | 300 units        | Each | 52.00                   |
| 72   | ER1151   | BspLI (NlaIV) (10 U/μL)                                                                | 200 units        | Each | 71.00                   |
| 73   | AM1914   | RNAqueous™-4PCR Total RNA Isolation Kit                                                | 30 preps         | Each | 362.00                  |
| 74   | Q33224   | Qubit™ RNA High Sensitivity (HS), Broad Range (BR), and Extended Range (XR) Assay Kits | 500 assays       | Each | 156.00                  |
| 75   | Q33231   | Qubit™ 1X dsDNA High Sensitivity (HS) and Broad Range (BR) Assay Kits                  | 500 assays       | Each | 169.00                  |
| 76   | Q33222   | Qubit™ RNA IQ Assay Kits                                                               | 275 assays       | Each | 250.00                  |
| 77   | 4390939  | AmpliTaq Gold™ Fast PCR Master Mix                                                     | 250 reactions    | Each | 253.00                  |
| 78   | K0491    | GeneJET Plasmid Maxiprep Kit                                                           | 10 preps         | Each | 132.00                  |
| 79   | BMS2323  | Human SARS-CoV-2 Spike (Trimer) Ig Total ELISA Kit                                     | 96 Test          | Each | 451.00                  |
| 80   | K0821    | GeneJET Viral DNA/RNA Purification Kit                                                 | 50 preps         | Each | 206.00                  |
| 81   | SO142    | Random Hexamer Primer                                                                  | 120 μL           | Each | 70.00                   |
| 82   | ER1532   | Pdml (Xmnl) (10 U/μL)                                                                  | 2,500 units      | Each | 203.00                  |
| 83   | SD0041   | pBR322 Plasmid DNA                                                                     | 100 μg           | Each | 113.00                  |
| 84   | ER0562   | Restriction Enzyme MluI                                                                | 5,000 units      | Each | 295.00                  |
| 85   | ER0732   | Restriction Enzyme Mph1103I (NsiI) (10 U/μL)                                           | 5,000 units      | Each | 297.00                  |
| 86   | ER0202   | Restriction Enzyme Cfr42I (SacII)                                                      | (5 x 1200 units) | Each | 198.00                  |
| 87   | EHMMP8   | HUMAN MMP-8 ELISA 96 ASSAYS                                                            | 96 Test          | Each | 520.00                  |
| 88   | BMS223-4 | HU TNF A COATED ELISA 96T                                                              | 96 Test          | Each | 335.00                  |
| 89   | 34002    | DAB SUBSTRATE KIT (10X) EA                                                             | 275 mL           | Each | 101.00                  |
| 90   | K1461    | EPIJET BISULFITE CONVERSION KIT                                                        | 50 reactions     | Each | 128.00                  |
| 91   | 4371353  | FG,TAQMAN GT MASTER MIX,1 MLEACH                                                       | (1 x 1 mL)       | Each | 120.00                  |
| 92   | K0761    | GENEJET TM WHOLE BLOOD RNA PURIFICATION KIT                                            | 50 preps         | Each | 210.00                  |
| 93   | K0731    | GENEJET RNA PURIFICATION KIT EA                                                        | 50 preps         | Each | 118.00                  |
| 94   | K0171    | PCR MASTER MIX (2X)                                                                    | 200 reactions    | Each | 61.00                   |
| 95   | ER0521   | KPNI EA                                                                                | 4,000 units      | Each | 52.00                   |



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|------|----------|--------------------------------------------------------------|---------------|------|-------------------------|
| 96   | ER1022   | BSTXI EA                                                     | 2,500 units   | Each | 154.00                  |
| 97   | ER0422   | ECO147I (STUI) EA                                            | 5,000 units   | Each | 279.00                  |
| 98   | ER0722   | BCLI EA                                                      | 5,000 units   | Each | 99.00                   |
| 99   | A16517   | CYTOTUNE 2.0 SENDAI KIT                                      | 1 pack        | Each | 2,341.00                |
| 100  | S00310   | LSGS 10ML 10 ML                                              | 10 mL         | Each | 94.00                   |
| 101  | 12800017 | DMEM, powder, high glucose, pyruvate                         | (10 x 1 L)    | Each | 49.00                   |
| 102  | AM7020   | RNALATER 100 ML EACH                                         | 100 mL        | Each | 95.00                   |
| 103  | 88228    | HisPur™ Ni-NTA Spin Purification Kit, 1 mL                   | 5 columns     | Each | 286.00                  |
| 104  | ER1851   | HhaI (10 U/μL)                                               | 2,000 units   | Each | 52.00                   |
| 105  | F530L    | Phusion™ High-Fidelity DNA Polymerase (2 U/μL)               | 500 units     | Each | 376.00                  |
| 106  | FD1253   | FastDigest BcuI                                              | 20 reactions  | Each | 25.00                   |
| 107  | ER1031   | HpaI                                                         | 500 units     | Each | 64.00                   |
| 108  | ER0561   | MluI (10 U/μL)                                               | 1,000 units   | Each | 69.00                   |
| 109  | K182001  | PureLink™ Genomic DNA Mini Kit                               | 50 preps      | Each | 121.00                  |
| 110  | K0791    | GeneJET Plant Genomic DNA Purification Kit                   | 50 preps      | Each | 73.00                   |
| 111  | K0781    | GeneJET Whole Blood Genomic DNA Purification Mini K 50 preps |               | Each | 84.00                   |
| 112  | EN0521   | DNase I, RNase-free (1 U/μL)                                 | 1,000 units   | Each | 49.00                   |
| 113  | EN0531   | RNase A, DNase and protease-free (10 mg/mL)                  | 10 mg         | Each | 28.00                   |
| 114  | SM0313   | GeneRuler 1 kb DNA Ladder, ready-to-use                      | (5 x 50 μg)   | Each | 69.00                   |
| 115  | R0611    | DNA Gel Loading Dye (6X)                                     | (5 x 1.0 mL)  | Each | 26.00                   |
| 116  | FD0054   | FastDigest BamHI                                             | 800 reactions | Each | 54.00                   |
| 117  | FD1014   | FastDigest BpiI (IIs class)                                  | 20 reactions  | Each | 40.00                   |
| 118  | FD0083   | FastDigest BglII                                             | 100 reactions | Each | 29.00                   |
| 119  | FD0274   | FastDigest EcoRI                                             | 800 reactions | Each | 59.00                   |
| 120  | FD0504   | FastDigest HindIII                                           | 800 reactions | Each | 45.00                   |
| 121  | FD0394   | FastDigest Eco91I(BstEII)                                    | 200 reactions | Each | 54.00                   |
| 122  | K1232    | CloneJET PCR Cloning kit                                     | 40 reactions  | Each | 225.00                  |
| 123  | K1641    | Maxima First Strand cDNA Synthesis Kit for RT-pPCR           | 50 reactions  | Each | 340.00                  |

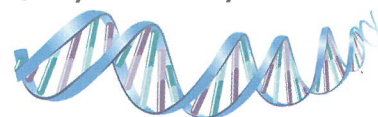




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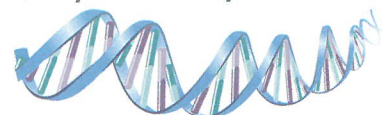


| S.No | CAT NO.  | PRODUCTS DESCRIPTION                                                                    | PACKING          | QTY  | EX-WORK<br>PRICE (US\$) |
|------|----------|-----------------------------------------------------------------------------------------|------------------|------|-------------------------|
| 124  | K0481    | GENEJET Plasmid Mini Prep kit                                                           | 25 preps         | Each | 151.00                  |
| 125  | ER0231   | Eam1104I                                                                                | 300 units        | Each | 45.00                   |
| 126  | ER0311   | ECO47I(AVAII)                                                                           | 800 units        | Each | 29.00                   |
| 127  | EIAALD   | Aldosterone Competitive Elisa Kit                                                       | 96 Test          | Each | 399.00                  |
| 128  | 18080400 | III First Strand Synthesis SuperMix                                                     | 50 rxns          | Each | 546.00                  |
| 129  | LC2676   | Tris Glycine SDS Sample Buffer                                                          | 20 mL            | Each | 26.00                   |
| 130  | HMFHSC   | HUMAN MF STELLATE CELLS CRYO VIAL                                                       | 1 vial           | Each | 1,030.00                |
| 131  | K1031BID | Luminaris Color HRM qPCR Master Mix                                                     | 250 reactions    | Each | 147.00                  |
| 132  | ER0591   | NotI (10 U/ $\mu$ L)                                                                    | 300 units        | Each | 45.00                   |
| 133  | FD2144   | FastDigest FokI                                                                         | 100 reactions    | Each | 66.00                   |
| 134  | AM2544   | Proteinase K Powder                                                                     | 500 mg           | Each | 449.00                  |
| 135  | FD0583   | FastDigest NdeI                                                                         | 100 reactions    | Each | 55.00                   |
| 136  | FD0694   | FastDigest XhoI                                                                         | 400 reactions    | Each | 47.00                   |
| 137  | EO0381   | RiboLock RNase Inhibitor (40 U/ $\mu$ L)                                                | 2,500 units      | Each | 53.00                   |
| 138  | ER0291   | Eco31I (BsaI) (10 U/ $\mu$ L)                                                           | 1,000 units      | Each | 55.00                   |
| 139  | 13256029 | Human FGF-basic (FGF-2/bFGF) Recombinant Protein                                        | 10 $\mu$ g       | Each | 151.00                  |
| 140  | ER0501   | HindIII (10 U/ $\mu$ L)                                                                 | 5,000 units      | Each | 31.00                   |
| 141  | EK0031   | T4 Polynucleotide Kinase (10 U/ $\mu$ L)                                                | 500 units        | Each | 38.00                   |
| 142  | 12557013 | PB-MAX™ Karyotyping Medium                                                              | 100 mL           | Each | 36.00                   |
| 143  | AM1836   | MagMAX™-96 Viral RNA Isolation Kit                                                      | 96 preps         | Each | 333.00                  |
| 144  | A15299   | TaqPath™ 1-Step RT-qPCR Master Mix, CG                                                  | (5 x 1 mL)       | Each | 1,084.00                |
| 145  | 12536017 | Gateway™ pDONR™221 Vector                                                               | 6 $\mu$ g        | Each | 295.00                  |
| 146  | 4427975  | TaqMan™ MicroRNA Assay                                                                  | S (50 RT/150 PCR | Each | 382.00                  |
| 147  | F534L    | Phusion Green High-Fidelity DNA Polymerase (2 U/ $\mu$ L)                               | 500 units        | Each | 449.00                  |
| 148  | Q32855   | Qubit™ RNA High Sensitivity (HS), Broad Range (BR), and Extended Range (XR) Assay Kits. | 500 assays       | Each | 248.00                  |
| 149  | Q32854   | Qubit™ dsDNA HS and BR Assay Kits                                                       | 500 assays       | Each | 288.00                  |
| 150  | SM0244   | GeneRuler 100 bp DNA Ladder, ready-to-use                                               | (5 x 50 $\mu$ g) | Each | 281.00                  |



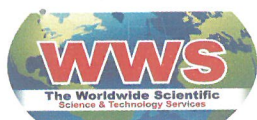
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|------|------------|-------------------------------------------------------------------|----------------|------|-------------------------|
| 151  | Q33221     | Qubit™ RNA IQ Assay Kits                                          | 75 assays      | Each | 153.00                  |
| 152  | AM9935     | RT-PCR Grade Water                                                | (10 x 1.5 mL)  | Each | 151.00                  |
| 153  | AM9788     | RNaseZap™ RNase Decontamination Wipes Refill                      | 300 sheets     | Each | 286.00                  |
| 154  | 11550043   | Ham's F-10 Nutrient Mix                                           | 500 mL         | Each | 29.00                   |
| 155  | 18080093   | SuperScript™ III Reverse Transcriptase                            | 2,000 units    | Each | 142.00                  |
| 156  | 12183018A  | PureLink™ RNA Mini Kit                                            | 50 Preps       | Each | 219.00                  |
| 157  | A29248     | Recombinant human Laminin-521                                     | 100 µg         | Each | 58.00                   |
| 158  | ER1831     | Hin1III (NlaIII) (5 U/µL)                                         | 300 units      | Each | 44.00                   |
| 159  | K0503      | GeneJET Plasmid Miniprep Kit                                      | 250 preps      | Each | 169.00                  |
| 160  | K0512      | Genomic DNA Purification Kit                                      | 100 preps      | Each | 114.00                  |
| 161  | 35050      | Pierce™ Fast Western Blot Kit, ECL Substrate                      | 1 L            | Each | 272.00                  |
| 162  | 85160      | Pierce™ Albumin Depletion Kit                                     | 24 reactions   | #### | 312.00                  |
| 163  | 4374966    | High-Capacity cDNA Reverse Transcription Kit with RNase Inhibitor | 200 reactions  | Each | 737.00                  |
| 164  | 4440044    | TaqMan™ Universal Master Mix II, with UNG                         | (2 x 5 mL)     | Each | 893.00                  |
| 165  | 4472908    | SYBR™ Select Master Mix                                           | (1 x 5 mL)     | Each | 345.00                  |
| 166  | AM1560     | mirVana™ miRNA Isolation Kit, with phenol                         | 40 preps       | Each | 567.00                  |
| 167  | K157001    | PureLink™ miRNA Isolation Kit                                     | 25 preps       | Each | 338.00                  |
| 168  | 88281      | Pierce™ Primary Cardiomyocyte Isolation Kit                       | 1 L            | Each | 484.00                  |
| 169  | KAC1211    | HU IL 1BETA ELISA KIT 96 TESTS BIOSOURCE (TM)                     | 96 Test        | Each | 571.00                  |
| 170  | EHTNFRSF11 | HUMAN RANK (TNFRSF11A) ELISA 96 ASSAYS                            | 96 Test        | Each | 553.00                  |
| 171  | A1371301   | SYNTH A FREEZE CTS TM 50ML                                        | 50 mL          | Each | 125.00                  |
| 172  | 65-0853-39 | eBioscience™ Calcein AM Viability Dye (UltraPure Grade 1 mg)      | 1 mg           | Each | 102.00                  |
| 173  | B49        | TAE Buffer ( Tris-acetate-EDTA) (50X)                             | 1 L            | Each | 49.00                   |
| 174  | 89900      | RIPA Lysis and Extraction Buffer                                  | 100 mL         | Each | 76.00                   |
| 175  | EIASODC    | Superoxide Dismutase (SOD) Colorimetric Activity Kit              | (2 x 96 tests) | Each | 451.00                  |
| 176  | EL0011     | T4 DNA Ligase (5 U/µL)                                            | 1,000 units    | Each | 69.00                   |
| 177  | V13154     | CyQUANT™ MTT Cell Viability Assay                                 | 1,000 assays   | Each | 350.00                  |

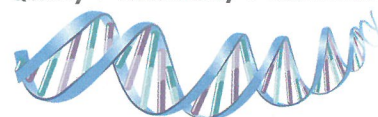




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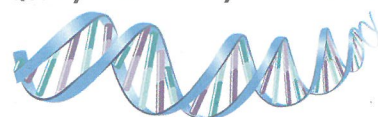


| S.No | CAT NO.     | PRODUCTS DESCRIPTION                                                     | PACKING          | QTY  | EX-WORK<br>PRICE (US\$) |
|------|-------------|--------------------------------------------------------------------------|------------------|------|-------------------------|
| 178  | K1621       | RevertAid First Strand cDNA Synthesis Kit                                | 20 reactions     | Each | 57.00                   |
| 179  | K0221       | Maxima SYBR Green/ROX qPCR Master Mix (2X)                               | 200 reactions    | Each | 95.00                   |
| 180  | ER0681      | XbaI (10 U/ $\mu$ L)                                                     | 1,500 units      | Each | 27.00                   |
| 181  | ER0361      | Eco72I (PmII) (10 U/ $\mu$ L)                                            | 2,000 units      | Each | 61.00                   |
| 182  | ER0571      | NcoI (10 U/ $\mu$ L)                                                     | 500 units        | Each | 61.00                   |
| 183  | ER0071      | BglI (10 U/ $\mu$ L)                                                     | 2,000 units      | Each | 64.00                   |
| 184  | SM1331      | 1KB DNA Ladder plus                                                      | (5 x 50 $\mu$ g) | Each | 116.00                  |
| 185  | R0441       | ATP Solution (100 mM)                                                    | 0.25 mL          | Each | 35.00                   |
| 186  | K0662       | Biotin Chromogenic Detection kit                                         | 30 reactions     | Each | 104.00                  |
| 187  | FD0514      | HpaII                                                                    | 200 reactions    | Each | 47.00                   |
| 188  | ER2041      | BspOI                                                                    | 200 units        | Each | 42.00                   |
| 189  | 10565018    | DMEM/F-12                                                                | 500 mL           | Each | 28.00                   |
| 190  | 14200075    | DPBS no calcium, no magnesium                                            | 500 mL           | Each | 45.00                   |
| 191  | K1441       | EpiJET DNA Methylation Analysis Kit (MspI/HpaII)                         | 200 reactions    | Each | 101.00                  |
| 192  | 85-86081-11 | NFkB p65 (total) Human Instantone Elisa Kit                              | 96 Test          | Each | 258.00                  |
| 193  | KHO1001     | APO BrdU (TUNEL) Kit                                                     | 60 tests         | Each | 576.00                  |
| 194  | 89880       | Chemiluminescent Nucleic Acid Detection Module Kit                       | 10 blots         | Each | 241.00                  |
| 195  | 44918       | Pierce™ Chicken IgY Purification Kit                                     | 1 L              | Each | 224.00                  |
| 196  | ER0821      | MboII (5 U/ $\mu$ L)                                                     | 300 units        | Each | 55.00                   |
| 197  | K1082       | DreamTaq Green PCR Master Mix (2X)                                       | 1000 reactions   | Each | 251.00                  |
| 198  | 11732088    | SuperScript™ III Platinum™ One-Step qRT-PCR Kit                          | 500 reactions    | Each | 1,494.00                |
| 199  | 28363       | Pierce™ Concentrated Buffer Stocks (10X and 20X)                         | 1 L              | Each | 69.00                   |
| 200  | 15240096    | Antibiotic-Antimycotic (100X)                                            | 20 mL            | Each | 21.00                   |
| 201  | 87786       | Halt™ Protease Inhibitor Cocktail (100X)                                 | 1 mL             | Each | 78.00                   |
| 202  | 4387936     | Nuclease-Free Water (not DEPC-Treated)                                   | (4 x 1,000 mL)   | Each | 121.00                  |
| 203  | 23285       | Pierce™ Quantitative Peroxide Assay Kit (Lipid)                          | 100 mL           | Each | 147.00                  |
| 204  | 26619       | PageRuler™ Plus Prestained Protein Ladder, 10 to 250 k (2 x 250 $\mu$ L) |                  | Each | 146.00                  |
| 205  | 32209       | Pierce™ ECL Western Blotting Substrate                                   | 250 mL           | Each | 171.00                  |



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|------|----------|----------------------------------------------------------------|-------------------|------|-------------------------|
| 206  | A14700   | Vitronectin (VTN-N) Recombinant Human Protein, Truncated       | 1 mL = 0.5 mg     | Each | 52.00                   |
| 207  | BMS213-2 | IL-6 Human ELISA Kit                                           | 96 Test           | Each | 335.00                  |
| 208  | ER0142   | Bsu15I (ClaI) (10 U/μL)                                        | 3,000 units       | Each | 194.00                  |
| 209  | ER0322   | Eco47III (AfeI) (10 U/μL)                                      | 1,000 units       | Each | 369.00                  |
| 210  | ER0522   | KpnI (10 U/μL)                                                 | (5 x 4,000 units) | Each | 286.00                  |
| 211  | ER0572   | NcoI (10 U/μL)                                                 | 2,500 units       | Each | 175.00                  |
| 212  | ER0582   | NdeI (10 U/μL)                                                 | 2,500 units       | Each | 132.00                  |
| 213  | ER0612   | PstI (10 U/μL)                                                 | (5 x 3,000 units) | Each | 92.00                   |
| 214  | ER0992   | AatII (10 U/μL)                                                | 1,500 units       | Each | 172.00                  |
| 215  | ER1531   | Pdml (XmnI) (10 U/μL)                                          | 500 units         | Each | 47.00                   |
| 216  | ER1571   | Hpy8I (MjaIV) (10 U/μL)                                        | 200 units         | Each | 80.00                   |
| 217  | FD0674   | FastDigest TaqI                                                | 400 reactions     | Each | 68.00                   |
| 218  | FD0964   | FastDigest Mva1269I (IIs class)                                | 50 reactions      | Each | 90.00                   |
| 219  | FD1414   | FastDigest ApaI                                                | 300 reactions     | Each | 52.00                   |
| 220  | K0251    | Maxima SYBR Green qPCR Master Mix (2X), with separate ROX vial | 200 reactions     | Each | 158.00                  |
| 221  | K0691    | GeneJET Gel Extraction Kit                                     | 50 preps          | Each | 55.00                   |
| 222  | K0831    | GeneJET Gel Extraction and DNA Cleanup Micro Kit               | 50 preps          | Each | 88.00                   |
| 223  | AM7021   | RNAlater™ Stabilization Solution                               | 500 mL            | Each | 353.00                  |
| 224  | 31490    | Pierce™ Horseradish Peroxidase                                 | 10 mg             | Each | 97.00                   |
| 225  | 4368577  | Power SYBR™ Green PCR Master Mix                               | (1 x 1 mL)        | Each | 125.00                  |
| 226  | EIAHCOR  | Cortisol Competitive Human ELISA Kit                           | 96 Test           | Each | 378.00                  |
| 227  | F432     | FITC-conjugated Phalloidin                                     | 300 units         | Each | 680.00                  |
| 228  | FD0144   | FastDigest Bsu15I                                              | 100 reactions     | Each | 73.00                   |
| 229  | FD0884   | FastDigest BseNI                                               | 100 reactions     | Each | 79.00                   |
| 230  | PHG0264  | Human FGF-basic (FGF-2/bFGF) (aa 1-155) Recombinant Protein    | 10 μg             | Each | 108.00                  |
| 231  | RP-10908 | Human recombinant Insulin                                      | 25 mg             | Each | 316.00                  |

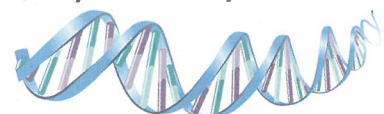




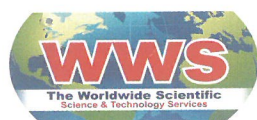
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| S.No | CAT NO.  | PRODUCTS DESCRIPTION                                                  | PACKING                 | QTY  | EX-WORK<br>PRICE (US\$) |
|------|----------|-----------------------------------------------------------------------|-------------------------|------|-------------------------|
| 232  | A2644601 | PSC Cryopreservation Kit                                              | 50 mL                   | Each | 219.00                  |
| 233  | A1569601 | GELTREX HESC QUAL READY TO USE 50 ML                                  | 50 mL                   | Each | 85.00                   |
| 234  | C6827    | CM-H2DCFDA (General Oxidative Stress Indicator)                       | (20 x 50 µg)            | Each | 541.00                  |
| 235  | 16100    | Pierce Glutathione Agarose                                            | 10 mL                   | Each | 208.00                  |
| 236  | A39390   | EquiPhi29 DNA Polymerase                                              | 250 U                   | Each | 61.00                   |
| 237  | A22182   | Red Xanthine/Xanthine Oxidase Assay Kit                               | 400 assays              | Each | 414.00                  |
| 238  | ER2202   | Restriction Enzyme PacI                                               | 1,250 units             | Each | 215.00                  |
| 239  | A46624   | GeneArt™ Gibson Assembly HiFi Cloning Kit, chemically competent cells | 10 reactions            | Each | 132.00                  |
| 240  | ER0191   | Cfr13I (Sau96I) (10 U/µL)                                             | 1,000 units             | Each | 59.00                   |
| 241  | AM1345   | T7 Ultra Transcription Kit                                            | 10 reactions            | Each | 567.00                  |
| 242  | ER1121   | Restriction Enzyme RsaI (10 U/µL)                                     | 1,000 units             | Each | 49.00                   |
| 243  | ER1351   | Restriction Enzyme TspI (Tsp509I) (10 U/µL)                           | 1,000 units             | Each | 52.00                   |
| 244  | ER1891   | Restriction Enzyme SmaI (Ascl) (10 U/µL)                              | 300 units               | Each | 35.00                   |
| 245  | ER1241   | Restriction Enzyme SmaI (SmaI) (10 U/µL)                              | 1,000 units             | Each | 48.00                   |
| 246  | ER0171   | Restriction Enzyme Cfr9I (XmaI) (10 U/µL)                             | 300 units               | Each | 45.00                   |
| 247  | K156002  | PureLink™ FFPE RNA Isolation Kit                                      | 50 preps                | Each | 323.00                  |
| 248  | ER0981   | Restriction Enzyme Tru1I (MseI) (10 U/µL)                             | 300 units               | Each | 49.00                   |
| 249  | AM1908   | MEGAclean™ Transcription Clean-Up Kit                                 | 20 preps                | Each | 172.00                  |
| 250  | ER0691   | Restriction Enzyme XhoI                                               | 2,000 units             | Each | 32.00                   |
| 251  | K202020  | TA Cloning Kit with PCR 2.1 Vector without competent cells            | 20 reactions            | Each | 213.00                  |
| 252  | A29790   | PureLink™ Microbiome DNA Purification Kit                             | 1 kit                   | Each | 239.00                  |
| 253  | 90037    | Pierce Precipitation Plates                                           | 10 plates               | Each | 568.00                  |
| 254  | PV4748   | LanthaScreen™ TR-FRET BACE1 Assay Kit                                 | (800 x 20 µL<br>assays) | Each | 678.00                  |
| 255  | Q32850   | Qubit™ dsDNA HS and BR Assay Kits                                     | 100 assays              | Each | 105.00                  |
| 256  | ER0301   | Restriction Enzyme Eco32I (EcoRV) (10 U/µL)                           | 2,000 units             | Each | 61.00                   |
| 257  | ER0801   | Restriction Enzyme HinfI (10 U/µL)                                    | 2,000 units             | Each | 28.00                   |
| 258  | R0481    | NTP Set, 100 mM Solution                                              | (4 x 0.25 mL)           | Each | 69.00                   |



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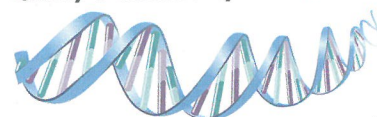
| S.No | CAT NO.   | PRODUCTS DESCRIPTION                                            | PACKING        | QTY  | EX-WORK<br>PRICE (US\$) |
|------|-----------|-----------------------------------------------------------------|----------------|------|-------------------------|
| 259  | C0135C    | Human Dermal Fibroblasts, adult (HDFa)                          | 1 vial         | Each | 451.00                  |
| 260  | 21870076  | RPMI 1640 Medium, no glutamine                                  | 500 mL         | Each | 29.00                   |
| 261  | EP0113    | T7 RNA Polymerase, HC (200 U/μL)                                | 25,000 units   | Each | 170.00                  |
| 262  | AM2694    | SUPERase•In™ RNase Inhibitor (20 U/μL)                          | 2,500 units    | Each | 227.00                  |
| 263  | ER0971    | Restriction Enzyme NheI (10 U/μL)                               | 500 units      | Each | 50.00                   |
| 264  | K202040   | TA Cloning™ Kit, with pCR™2.1 Vector, without competent cells   | 40 rxns        | Each | 356.00                  |
| 265  | 15567027  | UltraPure™ 1 M Tris-HCl Buffer, pH 7.5                          | 1 L            | Each | 85.00                   |
| 266  | K0881     | GeneJET FFPE DNA Purification Kit                               | 50 preps       | Each | 146.00                  |
| 267  | ER0531    | Rrestriction Enzyme Kpn2I (BspEI) (10 U/μL)                     | 500 units      | Each | 49.00                   |
| 268  | 23227     | Pierce™ BCA Protein Assay Kit                                   | 500 mL         | Each | 102.00                  |
| 269  | EIACATC   | Catalase Colorimetric Activity Kit                              | (2 x 96 tests) | Each | 329.00                  |
| 270  | Q32851    | Qubit™ dsDNA HS and BR Assay Kits                               | 100 assays     | Each | 105.00                  |
| 271  | SM0241    | GeneRuler 100 bp DNA Ladder                                     | 50 μg          | Each | 42.00                   |
| 272  | 4380204   | Tempus™ Spin RNA Isolation Kit                                  | 50 preps       | Each | 336.00                  |
| 273  | C10617    | Click-iT™ Plus TUNEL Assay Kits for In Situ Apoptosis Detection | 1 kit          | Each | 373.00                  |
| 274  | 10828010  | KnockOut™ Serum Replacement                                     | 100 mL         | Each | 90.00                   |
| 275  | 12185010  | PureLink™ DNase Set                                             | 50 Preps       | Each | 104.00                  |
| 276  | A32955    | Pierce™ Protease Inhibitor Mini Tablets, EDTA-free              | 30 tablets     | Each | 114.00                  |
| 277  | CMAX00015 | Lipofectamine™ CRISPRMAX™ Cas9 Transfection Reagent             | 1.5 mL         | Each | 609.00                  |
| 278  | PHG0194   | Human FGF-9 Recombinant Protein                                 | 20 μg          | Each | 404.00                  |
| 279  | A25742    | PowerUp™ SYBR™ Green Master Mix                                 | 5 mL           | Each | 321.00                  |
| 280  | 12091021  | PureLink™ RNase A (20 mg/mL)                                    | 10 mL          | Each | 172.00                  |
| 281  | 11913019  | CD 293                                                          | 1,000 mL       | Each | 114.00                  |
| 282  | FD0524    | FASTDIGEST KPNI EA                                              | 300 reactions  | Each | 54.00                   |
| 283  | K2561     | MAXIMA H MINUS DOUBLE- STRANDED CDNA SYNTHESIS KIT              | 10 reactions   | Each | 486.00                  |





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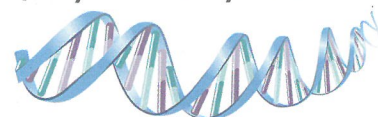


| S.No | CAT NO.  | PRODUCTS DESCRIPTION                                               | PACKING          | QTY  | EX-WORK<br>PRICE (US\$) |
|------|----------|--------------------------------------------------------------------|------------------|------|-------------------------|
| 284  | 12368010 | PLATINUM SUPERFI II MASTER MIX 100 RXN                             | 100 reactions    | Each | 274.00                  |
| 285  | 11732020 | SSIII 1-STEP QRT-PCR 100 100 RXN                                   | 100 reactions    | Each | 682.00                  |
| 286  | 31460    | GOXRBT IGG (H+L) HRP 2 mL                                          | 2 mL             | Each | 264.00                  |
| 287  | G7921    | GRIESS REAGENT KIT FOR N 1 KIT                                     | 1 kit            | Each | 258.00                  |
| 288  | 88527    | Pierce™ Protein Concentrators PES,<br>10K MWCO, 0.5–100 mL         | 10 concentrators | Each | 167.00                  |
| 289  | 12604013 | TrypLE™ Express Enzyme (1X), no phenol red                         | 100 mL           | Each | 28.00                   |
| 290  | 88221    | HisPur™ Ni-NTA Resin                                               | 10 mL            | Each | 137.00                  |
| 291  | 10010023 | PBS, pH 7.4                                                        | 500 mL           | Each | 28.00                   |
| 292  | 87785    | Protease Inhibitor Cocktail, EDTA free                             | 1 mL             | Each | 115.00                  |
| 293  | 12648010 | Recovery™ Cell Culture Freezing Medium                             | 50 mL            | Each | 145.00                  |
| 294  | PHC9514  | THROMBOPOIETIN, REC HU                                             | 10 µg            | Each | 208.00                  |
| 295  | 31600083 | DMEM                                                               | 10 L             | Each | 30.00                   |
| 296  | 88275    | Pierce™ High Capacity Endotoxin Removal Spin Cc 25 columns         |                  | Each | 310.00                  |
| 297  | 70013032 | PBS 10x                                                            | 500 mL           | Each | 41.00                   |
| 298  | LC6060   | SimplyBlue Safestain                                               | 1 L              | Each | 204.00                  |
| 299  | 11668019 | Transfection Reagent                                               | 1.5 mL           | Each | 733.00                  |
| 300  | R76107   | Flp-In™-3T3 Cell Line                                              | 1 mL             | Each | 1,572.00                |
| 301  | 20012027 | PBS, PH 7.2                                                        | 500 mL           | Each | 30.00                   |
| 302  | Q32856   | Qubit Assay tube                                                   | 500 tubes        | Each | 119.00                  |
| 303  | 29700    | Urea                                                               | 1 kg             | Each | 54.00                   |
| 304  | R0801    | Low Melting Agrosre                                                | 25 g             | Each | 130.00                  |
| 305  | 88526    | Pierce Protein concentrator PES, 3 K, MWCO, 5 - 24 concentrators   | Each             | Each | 312.00                  |
| 306  | 88528    | Pierce Protein concentrator PES, 10 K, MWCO, 2-6n 24 concentrators | Each             | Each | 308.00                  |
| 307  | 88515    | Pierce Protein concentrator PES, 3 K MWCO, 2-6n 24 concentrators   | Each             | Each | 141.00                  |
| 308  | A1049001 | MEM α, nucleosides, no ascorbic acid                               | 500 mL           | Each | 111.00                  |
| 309  | A1033201 | StemPro™ MSC SFM                                                   | 1 Kit            | Each | 418.00                  |
| 310  | 11111044 | Human Endothelial SFM                                              | 500 mL           | Each | 134.00                  |



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|------|----------|-----------------------------------------------------------------|--------------|------|-------------------------|
| 311  | 12585014 | Insulin, human recombinant, zinc solution                       | 5 mL         | Each | 106.00                  |
| 312  | 15290026 | Amphotericin B                                                  | 50 mL        | Each | 43.00                   |
| 313  | PHG0311  | Human EGF Recombinant Protein                                   | 100 µg       | Each | 221.00                  |
| 314  | 11150059 | Medium 199, Earle's Salts                                       | 500 mL       | Each | 65.00                   |
| 315  | 24020117 | HBSS, calcium, magnesium                                        | 500 mL       | Each | 35.00                   |
| 316  | 88513    | Pierce™ Protein Concentrators PES, 10K MWCO, ( 25 concentrators |              | Each | 106.00                  |
| 317  | 90058    | Pierce™ Trypsin Protease, MS Grade                              | (5 x 100 µg) | Each | 403.00                  |
| 318  | 34047    | PNPP Substrate Tablets                                          | 105 tablets  | Each | 158.00                  |
| 319  | 10575090 | KaryoMAX™ Potassium Chloride Solution                           | (4 x 100 mL) | Each | 43.00                   |
| 320  | 88222    | HisPur™ Ni-NTA Resin                                            | 100 mL       | Each | 1,882.00                |
| 321  | AB0558   | Adhesive PCR Plate Seals                                        | 100 sheets   | Each | 152.00                  |
| 322  | 15140122 | Penicillin-Streptomycin (10,000 U/mL)                           | 100 mL       | Each | 32.00                   |
| 323  | 11860038 | Streptomycin Sulfate                                            | 100 g        | Each | 108.00                  |
| 324  | 140652   | Nunc™ Polycarbonate Cell Culture Inserts in Multi-V Case of 48  |              | Each | 590.00                  |
| 325  | 20688    | Pierce™ Dimethylsulfoxide (DMSO), Sequencing G 950 mL           |              | Each | 106.00                  |
| 326  | A38554   | SuperSignal™ West Atto Ultimate Sensitivity Substr 20 mL        |              | Each | 206.00                  |
| 327  | 10567014 | DMEM, low glucose, GlutaMAX™ Supplement, pyr 500 mL             |              | Each | 37.00                   |
| 328  | 85190    | Pierce™ Dimethylsulfoxide (DMSO), LC-MS Grade 50 mL             |              | Each | 78.00                   |
| 329  | 14080055 | DPBS (10X), calcium, magnesium                                  | 500 mL       | Each | 63.00                   |
| 330  | 25030081 | L-Glutamine (200 mM)                                            | 100 mL       | Each | 26.00                   |
| 331  | 11875093 | RPMI 1640 Medium                                                | 500 mL       | Each | 30.00                   |
| 332  | 10099141 | Fetal Bovine Serum, qualified, Australia                        | 500 mL       | Each | 2,146.00                |
| 333  | 15070063 | PENICILLIN STREPTOMYCIN SOL 100ML                               | 100 ml       | Each | 30.00                   |
| 334  | 23209    | Pierce™ Bovine Serum Albumin Standard                           | (10 x 1 mL)  | Each | 98.00                   |
| 335  | 62248    | Amplifluor 2 mg/ml<br>DAPI                                      | 1 mL         | Each | 154.00                  |
| 336  | 90057    | Pierce™ Trypsin Protease, MS Grade                              | (5 x 20 µg)  | Each | 95.00                   |
| 337  | 11360070 | Sodium Pyruvate (100 mM)                                        | 100 ml       | Each | 20.00                   |
| 338  | 11965092 | DMEM, high glucose                                              | 500 mL       | Each | 26.00                   |





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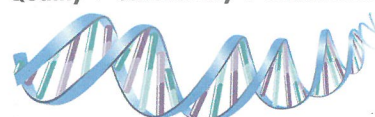


| S.No | CAT NO.   | PRODUCTS DESCRIPTION                            | PACKING         | QTY  | EX-WORK<br>PRICE (US\$) |
|------|-----------|-------------------------------------------------|-----------------|------|-------------------------|
| 339  | 35050061  | GlutaMAX™ Supplement                            | 100 mL          | Each | 48.00                   |
| 340  | 165305    | 96 Well Black/Clear Bottom Plate, TC Surface,   | Case of 30      | Each | 759.00                  |
| 341  | 11960044  | DMEM, high glucose, no glutamine                | 500 mL          | Each | 34.00                   |
| 342  | A2858501  | Essential 8™ Flex Medium Kit                    | 1 kit           | Each | 483.00                  |
| 343  | M33089    | Microplates for Fluorescence-based Assays, 96-  | 10 plates       | Each | 184.00                  |
| 344  | NW04122BO | Bolt™ 4 to 12%, Bis-Tris, 1.0 mm, Mini Protein  | 10 gels (1 box) | Each | 171.00                  |
| 345  | V13246    | Annexin Binding Buffer (5X), for flow cytometry | 50 mL           | Each | 95.00                   |
| 346  | A1486701  | B27 SUPP XF                                     | 10 mL           | Each | 215.00                  |
| 347  | 25200056  | Trypsin-EDTA (0.25%), phenol red                | 100 mL          | Each | 22.00                   |
| 348  | PA5117507 | RABIES VIRUS GLYCOPROTEIN ANTI 100 UG           | 100 µg          | Each | 442.00                  |
| 349  | 10092013  | KMAX GIEMSA STAIN 100ML, GLASS                  | 100 ml          | Each | 69.00                   |
| 350  | 442404    | F96 IMMUNOPLATE MAXISORP CASE OF 60             | Case of 60      | Each | 139.00                  |
| 351  | 78431     | AEBSF, 100 MG (2AMINOETHYL)BENZENESULF(         | 100 mg          | Each | 128.00                  |
| 352  | 32561037  | MEM ALPHA 500ML                                 | 500 mL          | Each | 91.00                   |
| 353  | 142475    | 24 WELL MULTIDISH W/LID CASE OF 75              | Case of 75      | Each | 197.00                  |
| 354  | HC1001    | SureCast Glass Plates                           | 2 sets          | Each | 117.00                  |
| 355  | A1110501  | STEMPRO ACCUTASE 100 ML                         | 100 ml          | Each | 85.00                   |
| 356  | 12800017  | DMEM, powder, high glucose, pyruvate            | (10 x 1 L)      | Each | 61.00                   |
| 357  | 17898     | ETHIDIUM BROMIDE SOLUTION (10 MG/ML)            | (5 x 10 mL)     | Each | 154.00                  |
| 358  | 12634010  | ADVANCED D-MEM/F-12 500ML                       | 500 mL          | Each | 33.00                   |
| 359  | 88225     | HISPUR NI-NTA SPIN COLUMNS                      | 5 columns       | Each | 147.00                  |
| 360  | R002100   | Trypsin Neutralizer Solution                    | 100 ml          | Each | 38.00                   |
| 361  | L3000008  | Lipofectamine™ 3000 Transfection Reagent        | 0.75 mL         | Each | 564.00                  |
| 362  | 15575020  | UltraPure™ 0.5M EDTA, pH 8.0                    | (4 x 100 mL)    | Each | 130.00                  |
| 363  | R0561     | Glycogen                                        | (2 x 0.25 mL)   | Each | 76.00                   |
| 364  | 1425205   | OPTICAL FILTER 520 NM                           | Each            | Each | 650.00                  |
| 365  | 1426505   | OPTICAL FILTER 650 NM                           | Each            | Each | 217.00                  |
| 366  | 14190144  | DPBS, no Calcium, no Magnesium                  | 500 mL          | Each | 38.00                   |



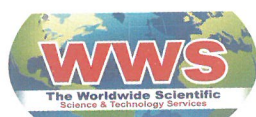
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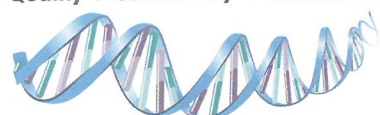
| S.No | CAT NO.  | PRODUCTS DESCRIPTION                                                                                          | PACKING         | QTY  | EX-WORK<br>PRICE (US\$) |
|------|----------|---------------------------------------------------------------------------------------------------------------|-----------------|------|-------------------------|
| 367  | 15400054 | Trypsin-EDTA (0.5%), no phenol red                                                                            | 100 ml          | Each | 76.00                   |
| 368  | 23200    | COOMASSIE (BRADFORD) PROTEIN ASSAY KIT                                                                        | 950 mL          | Each | 134.00                  |
| 369  | 17018029 | Collagenase, Type I, powder                                                                                   | 500 mg          | Each | 156.00                  |
| 370  | 11320033 | DMEM/F-12                                                                                                     | 500 mL          | Each | 30.00                   |
| 371  | 15250061 | Trypan Blue Solution, 0.4%                                                                                    | 100 ml          | Each | 19.00                   |
| 372  | 88018    | Nitrocellulose Membrane, 0.45 µm, 30 cm x 3.5 m                                                               | 1 roll          | Each | 362.00                  |
| 373  | 11269016 | AmnioMAX™-II Complete Medium                                                                                  | 100 ml          | Each | 82.00                   |
| 374  | 31985062 | Opti-MEM™ I Reduced Serum Medium                                                                              | 100 mL          | Each | 28.00                   |
| 375  | 11668027 | Lipofectamine™ 2000 Transfection Reagent                                                                      | 0.75 mL         | Each | 670.00                  |
| 376  | 15504020 | UltraPure™ Tris Buffer (powder format)                                                                        | 1 kg            | Each | 84.00                   |
| 377  | 15506017 | UltraPure™ Tris Hydrochloride                                                                                 | 500 g           | Each | 126.00                  |
| 378  | 10576015 | Phytohemagglutinin, M form (PHA-M)                                                                            | 10 mL           | Each | 59.00                   |
| 379  | 11151D   | Dynabeads™ CD3                                                                                                | 5 mL            | Each | 802.00                  |
| 380  | R415     | Rhodamine Phalloidin                                                                                          | 300 units       | Each | 574.00                  |
| 381  | C10459   | OPP (O-propargyl-puromycin)                                                                                   | 5 mg            | Each | 1,095.00                |
| 382  | 17874    | Ammonium Persulfate                                                                                           | (4 x 25 g)      | Each | 59.00                   |
| 383  | 7002     | RNase AWAY™ Surface Decontaminant                                                                             | Case of 6       | Each | 336.00                  |
| 384  | A15652   | StemPro™ BM Mesenchymal Stem Cells                                                                            | (1 x 106 cells) | Each | 943.00                  |
| 385  | 14170112 | HBSS, no calcium, no magnesium                                                                                | 500 mL          | Each | 41.00                   |
| 386  | F538L    | Phusion Green HF Buffer Pack                                                                                  | (4 x 1.5 mL)    | Each | 43.00                   |
| 387  | 10439024 | Embryonic stem-cell FBS                                                                                       | 500 mL          | Each | 1,604.00                |
| 388  | 31100019 | Medium 199, Earle's Salts, powder                                                                             | 50 L            | Each | 176.00                  |
| 389  | 15576028 | UltraPure™ Ethylenediaminetetraacetic Acid, Disodium Salt, Dihydrate (Na <sub>2</sub> EDTA•2H <sub>2</sub> O) | 500 g           | Each | 141.00                  |
| 390  | 11575032 | MEM, Hanks' Balanced Salts                                                                                    | 500 mL          | Each | 23.00                   |
| 391  | 14040133 | DPBS, calcium, magnesium                                                                                      | 500 mL          | Each | 28.00                   |
| 392  | 15630080 | HEPES (1 M)                                                                                                   | 100 mL          | Each | 80.00                   |
| 393  | 25080094 | Sodium Bicarbonate 7.5% solution                                                                              | 100 ml          | Each | 13.00                   |



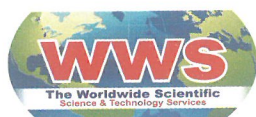


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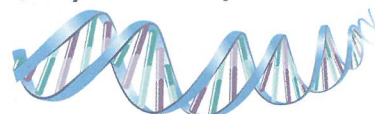


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|------|-----------|--------------------------------------------------------------------------|-----------------|------|-------------------------|
| 394  | 15140163  | Penicillin-Streptomycin (10,000 U/mL)                                    | (20 x 100 mL)   | Each | 306.00                  |
| 395  | 16000044  | Fetal Bovine Serum, certified, United States                             | 500 mL          | Each | 1,149.00                |
| 396  | 260860    | Nunc™ MicroWell™ 96-Well Microplates                                     | Case of 160     | Each | 514.00                  |
| 397  | 88226     | HisPur™ Ni-NTA Spin Columns, 3 MI                                        | 5 columns       | Each | 228.00                  |
| 398  | 88700     | Benzonase                                                                | 5 kU            | Each | 93.00                   |
| 399  | A2644501  | RevitaCell™ Supplement (100X)                                            | 5 mL            | Each | 143.00                  |
| 400  | M6494     | MTT (3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide)       | 1 g             | Each | 189.00                  |
| 401  | NP0336BOX | NuPAGE™ 4 to 12%, Bis-Tris, 1.0–1.5 mm, Mini Protein Gels                | 10 gels (1 box) | Each | 175.00                  |
| 402  | R0492     | Top Vision Agarose                                                       | 500 g           | Each | 169.00                  |
| 403  | 11090081  | MEM, no glutamine                                                        | 500 mL          | Each | 33.00                   |
| 404  | 11430030  | MEM (10X), no glutamine                                                  | 500 mL          | Each | 48.00                   |
| 405  | 10003D    | Dynabeads™ Protein G for Immunoprecipitation                             | 1 mL            | Each | 321.00                  |
| 406  | 15920D    | HulaMixer™ Sample Mixer                                                  | 1 unit          | Each | 1,580.00                |
| 407  | A1049101  | RPMI 1640 Medium (ATCC modification)                                     | 500 mL          | Each | 72.00                   |
| 408  | A13201    | Annexin V Conjugates for Apoptosis Detection                             | 500 µL          | Each | 694.00                  |
| 409  | N8010535  | MicroAmp™ 8-Cap Strip, clear                                             | 300 strips      | Each | 178.00                  |
| 410  | N8010580  | MicroAmp™ 8-Tube Strip, 0.2 mL                                           | 125 strips      | Each | 173.00                  |
| 411  | AB2005    | EasyStrip™ Plus Tube Strip with Attached Ultra Clear Caps                | 250 strips      | Each | 442.00                  |
| 412  | 170355    | 5ML PIPETTE INDIV WRAPPD PAPER /PLASTIC                                  | Case of 200     | Each | 46.00                   |
| 413  | 156499    | Nunc™ EasYFlask™ Cell Culture Flasks 75cm2                               | Case of 100     | Each | 156.00                  |
| 414  | 25200114  | Trypsin-EDTA (0.25%), phenol red                                         | (20 x 100 mL)   | Each | 269.00                  |
| 415  | 11710035  | Glasgow's MEM (GMEM)                                                     | 500 mL          | Each | 35.00                   |
| 416  | M200500   | Human Large Vessel Endothelial Cell Basal Medium (formerly "Medium 200") | 500 mL          | Each | 106.00                  |
| 417  | A1217601  | Willian's E Medium, no Phenol Red                                        | 500 mL          | Each | 41.00                   |
| 418  | 4306311   | CLEAR ADHESIVE FILM                                                      | 100 films       | Each | 189.00                  |
| 419  | B14       | Bovine Serum Albumin (BSA)                                               | 5 mg            | Each | 24.00                   |



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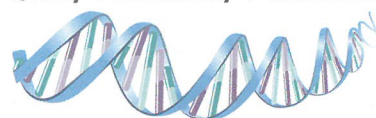
| S.No | CAT NO.    | PRODUCTS DESCRIPTION                                  | PACKING         | QTY  | EX-WORK<br>PRICE (US\$) |
|------|------------|-------------------------------------------------------|-----------------|------|-------------------------|
| 420  | 15212012   | KaryoMAX™ Colcemid™ Solution in PBS                   | 10 mL           | Each | 31.00                   |
| 421  | 13778100   | Lipofectamine™ RNAiMAX Transfection Reagent           | 0.1 mL          | Each | 130.00                  |
| 422  | WG1402BOX  | NuPAGE™ 4 to 12%, Bis-Tris, 1.0 mm, Midi Protein Gels | 10 gels (1 box) | Each | 282.00                  |
| 423  | 88024      | Nitrocellulose Membranes, 0.2 µm, 8 x 8 cm            | 15 pre-cut memt | Each | 184.00                  |
| 424  | 16141079   | Embryonic stem-cell FBS, qualified, US origin         | 500 mL          | Each | 1,500.00                |
| 425  | 88520      | PVDF TRANSFER MEMBRANE; 0.2µm                         | 1 roll          | Each | 338.00                  |
| 426  | 170357     | Nunc™ 25 ml Serological Pipettes                      | Case of 200     | Each | 91.00                   |
| 427  | 11765054   | Ham's F-12 Nutrient Mix                               | 500 mL          | Each | 35.00                   |
| 428  | 11885084   | DMEM, low glucose, pyruvate                           | 500 mL          | Each | 27.00                   |
| 429  | 12561056   | MEM α, no nucleosides                                 | 500 mL          | Each | 78.00                   |
| 430  | 12605010   | TrypLE™ Express Enzyme (1X), phenol red               | 100 mL          | Each | 27.00                   |
| 431  | 15090046   | Trypsin (2.5%), no phenol red                         | 100 ml          | Each | 38.00                   |
| 432  | 17502048   | N-2 Supplement (100X)                                 | 5 mL            | Each | 89.00                   |
| 433  | 17504044   | B-27™ Supplement (50X), serum free                    | 10 mL           | Each | 106.00                  |
| 434  | 25300054   | Trypsin-EDTA (0.05%), phenol red                      | 100 mL          | Each | 27.00                   |
| 435  | 70011044   | PBS (10X), pH 7.4                                     | 500 mL          | Each | 50.00                   |
| 436  | 00-4976-93 | eBioscience™ Lipopolysaccharide (LPS) Solution (500X) | 100 µL          | Each | 48.00                   |
| 437  | A1517001   | Essential 8™ Medium                                   | 500 mL          | Each | 317.00                  |
| 438  | A32957     | Pierce™ Phosphatase Inhibitor Mini Tablets            | 20 tablets      | Each | 193.00                  |
| 439  | A3890401   | OLY-D-LYSINE                                          | 100 mL          | Each | 121.00                  |
| 440  | AB0600     | PCR Plate, 96-well, non-skirted                       | 25 plates       | Each | 150.00                  |
| 441  | D1306      | DAPI                                                  | 10 mg           | Each | 176.00                  |
| 442  | N301       | TMB Substrate Solution                                | 100 mL          | Each | 102.00                  |
| 443  | 34028      | 1-Step™ Ultra TMB-ELISA Substrate Solution            | 250 mL          | Each | 156.00                  |
| 444  | 90082      | Lysozyme Solution (50 mg/mL)                          | 0.5 mL          | Each | 56.00                   |
| 445  | 10828028   | KnockOut™ Serum Replacement                           | 500 mL          | Each | 501.00                  |
| 446  | 12000063   | MEM α, no nucleosides, powder                         | 10 L            | Each | 85.00                   |
| 447  | A1286001   | CTS™ GlutaMAX™-I Supplement                           | 100 ml          | Each | 63.00                   |



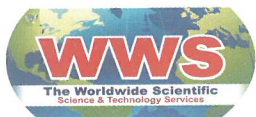


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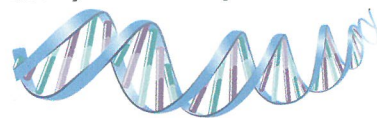


| S.No | CAT NO.   | PRODUCTS DESCRIPTION                                      | PACKING       | QTY  | EX-WORK<br>PRICE (US\$) |
|------|-----------|-----------------------------------------------------------|---------------|------|-------------------------|
| 448  | A2494001  | Glucose Solution (200g/L)                                 | 50 mL         | Each | 35.00                   |
| 449  | A31543    | Pharma Magnetic Stand-96                                  | 1 stand       | Each | 574.00                  |
| 450  | AB0626    | Adhesive PCR Plate Foils                                  | 100 sheets    | Each | 139.00                  |
| 451  | FNN0071   | Invitrogen tissue homogenizer buffer, 100 mL              | 100 ml        | Each | 186.00                  |
| 452  | S006100   | Attachment Factor Protein (1X)                            | 100 ml        | Each | 35.00                   |
| 453  | V13242    | Dead Cell Apoptosis Kits with Annexin V for Flow          | 1 kit         | Each | 418.00                  |
| 454  | 156367    | Nunc™ EasYFlask™ Cell Culture Flasks 25cm2                | Case of 200   | Each | 186.00                  |
| 455  | 15750060  | Gentamycin                                                | 10 mL         | Each | 67.00                   |
| 456  | 27250018  | Trypsin (1:250), powder                                   | 100 g         | Each | 431.00                  |
| 457  | 4316567   | MicroAmp™ Optical 8-Tube Strip, 0.2 mL                    | 125 strips    | Each | 271.00                  |
| 458  | DAL1025   | alamarBlue™ Cell Viability Reagent                        | 25 mL         | Each | 334.00                  |
| 459  | 15240062  | Antibiotic-Antimycotic (100X)                             | 100 mL        | Each | 65.00                   |
| 460  | 12100061  | DMEM, powder, high glucose                                | 10 L          | Each | 39.00                   |
| 461  | F904S     | Bovine Genotypes Panel 1.2 Kit                            | 100 reactions | Each | 844.00                  |
| 462  | 10582013  | Gurr Buffer Tablets                                       | (50 x 100 mL) | Each | 111.00                  |
| 463  | 89833     | Lysozyme                                                  | 5 g           | Each | 150.00                  |
| 464  | 15557044  | UltraPure™ SSC, 20X                                       | 1 L           | Each | 41.00                   |
| 465  | 378220    | CryoBoxes™                                                | Case of 6     | Each | 98.00                   |
| 466  | 250003    | Nunc™ Microplate Lids                                     | Case of 60    | Each | 271.00                  |
| 467  | N8010737  | GeneAmp™ Thin-Walled Reaction Tube, with flat cap, 0.5 mL | 1,000 tubes   | Each | 260.00                  |
| 468  | 11593027  | Ampicillin, sodium salt, irradiated                       | 200 mg        | Each | 65.00                   |
| 469  | 12634028  | Advanced DMEM/F-12                                        | (10 x 500 mL) | Each | 305.00                  |
| 470  | 14175095  | HBSS, no calcium, no magnesium, no phenol red             | 500 mL        | Each | 28.00                   |
| 471  | 15581044  | UltraPure™ TBE Buffer, 10X                                | 1 L           | Each | 26.00                   |
| 472  | 11815024  | Kanamycin Sulfate                                         | 5 g           | Each | 74.00                   |
| 473  | STEM00015 | Lipofectamine™ Stem Transfection Reagent                  | 1.5 mL        | Each | 694.00                  |
| 474  | AB0620    | 0.2ML FLAT CAP TUBES (SOLD AS BOX OF 1000                 | 1,000 tubes   | Each | 28.00                   |
| 475  | 159910    | EASY FLASK 175CM2 FLTR STER CASE OF 30                    | Case of 30    | Each | 112.00                  |



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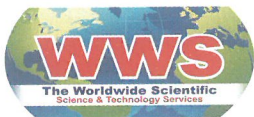
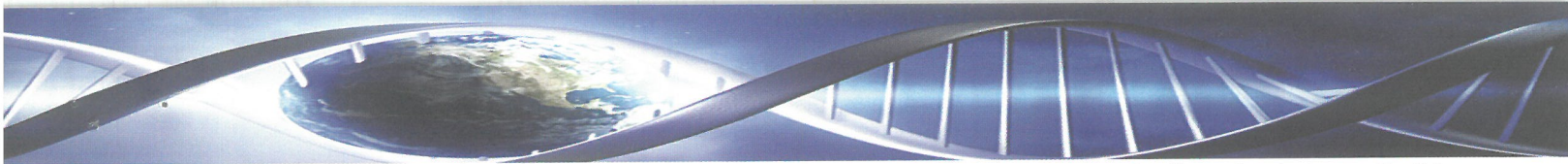


|     |                                        |                                              |                  |      |          |
|-----|----------------------------------------|----------------------------------------------|------------------|------|----------|
| 476 | 140675                                 | 6 WELL MULTIDISH W/LID CASE OF 75            | Case of 75       | Each | 159.00   |
| 477 | 150628                                 | 12 WELL MULTIDISH W/LID TCTREAT CASE OF 7    | Case of 75       | Each | 175.00   |
| 478 | 167425                                 | 96 EDGE TC TREATED SI W/LID CASE OF 50       | Case of 50       | Each | 101.00   |
| 479 | 170356                                 | 10ML PIPETTE INDIV WRAPD PAPER /PLASTIC      | Case of 200      | Each | 46.00    |
| 480 | 12440061                               | IMDM                                         | (10 x 500 mL)    | Each | 165.00   |
| 481 | A1254201                               | Synth-a-Freeze™ Cryopreservation Medium      | 50 mL            | Each | 121.00   |
| 482 | AB0700                                 | PCR Plate, 96-well, low profile, non-skirted | 25 plates        | Each | 180.00   |
| 483 | 11330032                               | DMEM/F12                                     | 500 mL           | Each | 41.00    |
| 484 | 12440053                               | IMDM                                         | 500 mL           | Each | 30.00    |
| 485 | 11811031                               | GENETICIN 5G                                 | 5 g              | Each | 505.00   |
| 486 | A12217                                 | AMPLEX RED ACETYLCHOLI 1 KIT                 | 500 assays       | Each | 585.00   |
| 487 | D399                                   | 2,7-DICHLORODIHYDROFLUO 100 MG               | 100 mg           | Each | 280.00   |
| 488 | A32953                                 | PROTEASE INHIBITOR TABLETS 1 VIAL            | 30 tablets       | Each | 147.00   |
| 489 | 20290                                  | DITHIOTHREITOL (DTT,CLELAND'S REAGENT) 5 g   | 5 g              | Each | 215.00   |
| 490 | 23225                                  | PIERCE BCA PROTEIN ASSAY KIT                 | 1 L              | Each | 215.00   |
| 491 | 32106                                  | PIERCE ECL WESTERN BLOTTING SUBSTRATE        | 500 mL           | Each | 236.00   |
| 492 | 88531                                  | PROTEIN CONCENTRATOR 30K 20ML 24PK           | 24 concentrators | Each | 323.00   |
| 493 | 88541                                  | PES CONCENTRATOR 50K 20ML 24PK 24 PK         | 24 concentrators | Each | 323.00   |
| 494 | A13199                                 | ANNEXIN V, FLUORESCCEIN CO 500 UL            | 500 µL           | Each | 564.00   |
| 495 | A26342                                 | FAST 96-WELL 10-DYE CAL KIT                  | 1 kit            | Each | 1,160.00 |
| 496 | BMS2001INS HU G-CSF INSTANT ELISA 128T |                                              | 128 Tests        | Each | 455.00   |

With best regards,

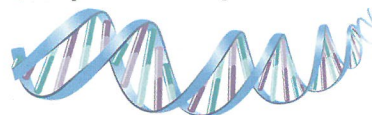






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University of Agriculture **(UAF)**,  
**FAISALABAD.**

Ref No: WWS/UAF/2024-5318  
Dated: 26.03.2024

Subject: **TENDER NO. 24/2024 FOR "CHEMICALS, KITS, ENZYMES & PLASTICWARE".**  
**DUE DATE: 01.04.2024**

| S.No | QUANTITY | PRODUCTS DESCRIPTION | CAT NO. | EX-WORK<br>PRICE (US\$) |
|------|----------|----------------------|---------|-------------------------|
|------|----------|----------------------|---------|-------------------------|

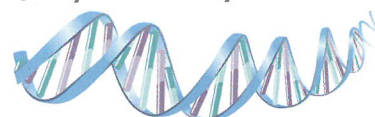
**M/S PHYTOTECHNOLOGY-USA:-**

|     |           |                      |       |           |        |
|-----|-----------|----------------------|-------|-----------|--------|
| 01- | 1x100 mg  | (+) Absciscic Acid   | A-102 | PHYTO-USA | 61.00  |
| 02- | 1x 5 g    | Acetosyringone       | A-104 | PHYTO-USA | 116.00 |
| 03- | 1x 1 kg   | L-Ascorbic Acid      | A-106 | PHYTO-USA | 68.00  |
| 04- | 1x 100 g  | L-Ascorbic Acid      | A-106 | PHYTO-USA | 24.00  |
| 05- | 1x 500 g  | L-Ascorbic Acid      | A-106 | PHYTO-USA | 46.00  |
| 06- | 1x 1 kg   | Ammonium Chloride    | A-109 | PHYTO-USA | 53.00  |
| 07- | 1x 500 g  | Ammonium Molybdate   | A-112 | PHYTO-USA | 91.00  |
| 08- | 1x 500 g  | Ammonium Phosphate   | A-113 | PHYTO-USA | 48.00  |
| 09- | 1x 1 Kg   | L-Asparitic Acid     | A-117 | PHYTO-USA | 83.00  |
| 10- | 1x 100 g  | Acetylsalicylic Acid | A-118 | PHYTO-USA | 26.00  |
| 11- | 1x 500 mg | Amphotericin B       | A-119 | PHYTO-USA | 102.00 |
| 12- | 1x 100 g  | L-Alanine            | A-121 | PHYTO-USA | 61.00  |
| 13- | 1x 100 g  | L-Arginine Free Base | A-143 | PHYTO-USA | 31.00  |
| 14- | 1x 500 g  | L-Arginine Free Base | A-143 | PHYTO-USA | 81.00  |
| 15- | 1x 500 g  | Agar Plant           | A-296 | PHYTO-USA | 89.00  |
| 16- | 1x 1 Kg   | Agar Plant           | A-296 | PHYTO-USA | 137.00 |



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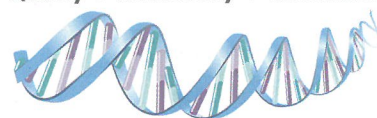
| S.No | QUANTITY  | PRODUCTS DESCRIPTION               | CAT NO. |           | EX-WORK<br>PRICE (US\$) |
|------|-----------|------------------------------------|---------|-----------|-------------------------|
| 17-  | 1x 25 g   | Adenine, 6-AminoPurine; Vitamin B4 | A-120   | PHYTO-USA | 61.00                   |
| 18-  | 1x 25 g   | Adenine Hemisulfate Dihydrate      | A-545   | PHYTO-USA | 67.00                   |
| 19-  | 1x 25 g   | 6-Benzyl Amino Purine              | B-800   | PHYTO-USA | 47.00                   |
| 20-  | 1x 1 g    | D-Biotin                           | B-140   | PHYTO-USA | 46.00                   |
| 21-  | 1x 500 ml | pH 4.0 Buffer solution             | B-235   | PHYTO-USA | 28.00                   |
| 22-  | 1x 500 ml | pH 7.0 Buffer Solution             | B-236   | PHYTO-USA | 28.00                   |
| 23-  | 1x 500 g  | Boric Acid                         | B-210   | PHYTO-USA | 20.00                   |
| 24-  | 1x 1 kg   | Boric Acid                         | B-210   | PHYTO-USA | 33.00                   |
| 25-  | 1x 5 g    | Cefotaxime                         | C-380   | PHYTO-USA | 72.00                   |
| 26-  | 1x 1 kg   | Calcium Chloride                   | C-135   | PHYTO-USA | 43.00                   |
| 27-  | 1x 500 g  | Calcium Chloride                   | C-135   | PHYTO-USA | 26.00                   |
| 28-  | 1x 500 g  | Casein                             | C-184   | PHYTO-USA | 61.00                   |
| 29-  | 1x 1 kg   | Casein                             | C-184   | PHYTO-USA | 91.00                   |
| 30-  | 1x 500 g  | Choline Chloride                   | C-232   | PHYTO-USA | 26.00                   |
| 31-  | 1x 500 g  | Calcium Phosphate                  | C-274   | PHYTO-USA | 193.00                  |
| 32-  | 1x 1 kg   | Citric Acid Anhydrous              | C-277   | PHYTO-USA | 30.00                   |
| 33-  | 1x 100 g  | Cobalt Chloride                    | C-350   | PHYTO-USA | 38.00                   |
| 34-  | 1x 250 g  | Cupric Sulfate                     | C-375   | PHYTO-USA | 27.00                   |
| 35-  | 1x 500 g  | Cupric Sulfate                     | C-375   | PHYTO-USA | 47.00                   |
| 36-  | 1x 5 g    | Carbencilline                      | C-346   | PHYTO-USA | 61.00                   |
| 37-  | 1x 25 g   | Chloramphenicol                    | C-252   | PHYTO-USA | 40.00                   |
| 38-  | 1x 1 Kg   | Charcoal                           | C-325   | PHYTO-USA | 67.00                   |
| 39-  | 1x 100 No | PTcon-12 for Plants                | C-1765  | PHYTO-USA | 260.00                  |
| 40-  | 1x 5 g    | DL-Dithiothreitol                  | D-259   | PHYTO-USA | 53.00                   |
| 41-  | 1x 500 mg | 6 Dimethylallylamino Purine        | D-525   | PHYTO-USA | 53.00                   |
| 42-  | 1x 1 g    | 6 Dimethylallylamino Purine        | D-525   | PHYTO-USA | 84.00                   |
| 43-  | 1x 25 g   | Dextran Sulfate                    | D-308   | PHYTO-USA | 81.00                   |
| 44-  | 1x 100 g  | Dextran Sulfate                    | D-308   | PHYTO-USA | 253.00                  |
| 45-  | 1x 1 kg   | EDTA                               | E-316   | PHYTO-USA | 69.00                   |
| 46-  | 1x 500 g  | EDTA                               | E-316   | PHYTO-USA | 47.00                   |
| 47-  | 1x 500 g  | EDTA Sodium Salt Fentic            | E-676   | PHYTO-USA | 84.00                   |
| 48-  | 1x 1 kg   | Ferrous Sulfate                    | F-263   | PHYTO-USA | 53.00                   |





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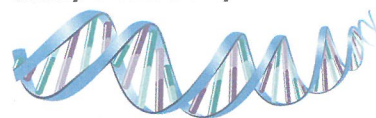


| S.No | QUANTITY | PRODUCTS DESCRIPTION      | CAT NO. | EX-WORK<br>PRICE (US\$) |
|------|----------|---------------------------|---------|-------------------------|
| 49-  | 1x 500 g | Ferrous Sulfate           | F-263   | PHYTO-USA 32.00         |
| 50-  | 1x 500 g | Fumaric Acid              | F-356   | PHYTO-USA 32.00         |
| 51-  | 1x 25 g  | Follic Acid               | F-430   | PHYTO-USA 48.00         |
| 52-  | 1x 5 g   | Gentamicin Sulfate,       | G-570   | PHYTO-USA 98.00         |
| 53-  | 1x 5 g   | G418 Sulfate              | G-810   | PHYTO-USA 151.00        |
| 54-  | 1x 1 kg  | D-(+) Glucose Crystalline | G-360   | PHYTO-USA 13.00         |
| 55-  | 1x 5 kg  | D-(+) Glucose Crystalline | G-360   | PHYTO-USA 68.00         |
| 56-  | 1x 1 kg  | D-(+) Glucose Anhydrous   | G-386   | PHYTO-USA 17.00         |
| 57-  | 1x 1 Kg  | Glycine                   | G-503   | PHYTO-USA 33.00         |
| 58-  | 1x 500 g | Glezan (Gelrite)          | G-3251  | PHYTO-USA 123.00        |
| 59-  | 1x 1 Kg  | Glezan (Gelrite)          | G-3251  | PHYTO-USA 200.00        |
| 60-  | 1x 500 g | Gellan Gum Powder         | G-434   | PHYTO-USA 103.00        |
| 61-  | 1x 1 Kg  | Gellan Gum Powder         | G-434   | PHYTO-USA 152.00        |
| 62-  | 1x 5 g   | Gibbrellic Acid           | G-500   | PHYTO-USA 102.00        |
| 63-  | 1x 100 g | L-Glutamine               | G-229   | PHYTO-USA 53.00         |
| 64-  | 1x 20 ml | Hygromycine B             | H-370   | PHYTO-USA 116.00        |
| 65-  | 1x 100 g | Hepes,Free Acid           | H-326   | PHYTO-USA 34.00         |
| 66-  | 1x 500 g | Hepes,Free Acid           | H-326   | PHYTO-USA 130.00        |
| 67-  | 1x 100 g | CTAB                      | H-276   | PHYTO-USA 26.00         |
| 68-  | 1x 500 g | CTAB                      | H-276   | PHYTO-USA 55.00         |
| 69-  | 1x 1 g   | IPTG                      | I-373   | PHYTO-USA 18.00         |
| 70-  | 1x 5 g   | IPTG                      | I-373   | PHYTO-USA 53.00         |
| 71-  | 1x 5 g   | Indole-3-Butyric Acid     | I-538   | PHYTO-USA 25.00         |
| 72-  | 1x 25 g  | Indole-3-Butyric Acid     | I-538   | PHYTO-USA 53.00         |
| 73-  | 1x 5 g   | Indole-3-Acetic Acid      | I-885   | PHYTO-USA 19.00         |
| 74-  | 1x 25 g  | Indole-3-Acetic Acid      | I-885   | PHYTO-USA 53.00         |
| 75-  | 1x 100 g | Myo-Inositol              | I-703   | PHYTO-USA 31.00         |
| 76-  | 1x 500 g | Myo-Inositol              | I-703   | PHYTO-USA 98.00         |
| 77-  | 1x 25 g  | Kanamycin                 | K-378   | PHYTO-USA 105.00        |
| 78-  | 1x 10 g  | Kanamycin                 | K-378   | PHYTO-USA 46.00         |
| 79-  | 1x 5 g   | Kanamycin                 | K-378   | PHYTO-USA 31.00         |
| 80-  | 1x 5 g   | Kinetin                   | K-750   | PHYTO-USA 80.00         |



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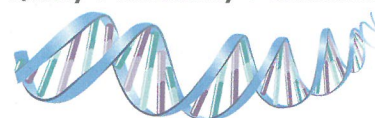
| S.No | QUANTITY  | PRODUCTS DESCRIPTION             | CAT NO. | EX-WORK<br>PRICE (US\$) |        |
|------|-----------|----------------------------------|---------|-------------------------|--------|
| 81-  | 1x 1 g    | Kinetin                          | K-750   | PHYTO-USA               | 26.00  |
| 82-  | 1x 100 g  | L-Lysine                         | L-594   | PHYTO-USA               | 26.00  |
| 83-  | 1x 500 g  | LB Broth                         | L-475   | PHYTO-USA               | 50.00  |
| 84-  | 1x 1 g    | MTT                              | M-565   | PHYTO-USA               | 80.00  |
| 85-  | 1x 100 g  | L-Maleic Acid                    | M-471   | PHYTO-USA               | 20.00  |
| 86-  | 1x 1 kg   | Magnesium Chloride               | M-521   | PHYTO-USA               | 61.00  |
| 87-  | 1x 500 g  | Magnesium Chloride               | M-521   | PHYTO-USA               | 37.00  |
| 88-  | 1x 500 g  | Sodium Molybedate (VI) Dihydrate | M-651   | PHYTO-USA               | 98.00  |
| 89-  | 1x 100 g  | Manganees Sulfate                | M-250   | PHYTO-USA               | 18.00  |
| 90-  | 1x 100 g  | Manganees Chloride               | M-455   | PHYTO-USA               | 24.00  |
| 91-  | 1x 500 g  | Meat Extract                     | M-567   | PHYTO-USA               | 168.00 |
| 92-  | for 50 L  | M.S. Salt                        | M-524   | PHYTO-USA               | 75.00  |
| 93-  | for 100 L | M.S. Salt                        | M-524   | PHYTO-USA               | 129.00 |
| 94-  | for 50 L  | M.S. Salt                        | M-499   | PHYTO-USA               | 75.00  |
| 95-  | for 100 L | M.S. Basal Medium                | M-404   | PHYTO-USA               | 159.00 |
| 96-  | for 100 L | M.S. Basal Medium                | M-519   | PHYTO-USA               | 129.00 |
| 97-  | for 50 L  | M.S. Basal Medium                | M-519   | PHYTO-USA               | 75.00  |
| 98-  | 1x 1 kg   | D-Maltos                         | M-588   | PHYTO-USA               | 48.00  |
| 99-  | 1x 500 g  | D-Mannitol USP Grade             | M-562   | PHYTO-USA               | 32.00  |
| 100- | 1x 500 g  | Magnesium Sulfate Anhydrous      | M-150   | PHYTO-USA               | 52.00  |
| 101- | 1x 100 g  | MES                              | M-825   | PHYTO-USA               | 53.00  |
| 102- | 1x 500 g  | MES                              | M-825   | PHYTO-USA               | 172.00 |
| 103- | 1x 25 g   | N 600 (Naphthaleneacetic Acid)   | N-600   | PHYTO-USA               | 27.00  |
| 104- | 1x 100 g  | N 600 (Naphthaleneacetic Acid)   | N-600   | PHYTO-USA               | 65.00  |
| 105- | 1x 1 g    | Nitroblue Tetrazolium            | N-602   | PHYTO-USA               | 103.00 |
| 106- | 1x 25 g   | Neomycin Sulfate                 | N-584   | PHYTO-USA               | 64.00  |
| 107- | 1x 100 g  | Nicotinic Acid                   | N-765   | PHYTO-USA               | 25.00  |
| 108- | 1x 500 g  | Nicotinic Acid                   | N-765   | PHYTO-USA               | 66.00  |
| 109- | 1x 250mg  | DI-Phosphinothricin              | P-679   | PHYTO-USA               | 152.00 |
| 110- | 1x 25 g   | Pyruvic Acid                     | P-684   | PHYTO-USA               | 67.00  |
| 111- | 1x 100 g  | Pyruvic Acid                     | P-684   | PHYTO-USA               | 200.00 |
| 112- | 1x 100 g  | Potassium Acetate                | P-661   | PHYTO-USA               | 20.00  |





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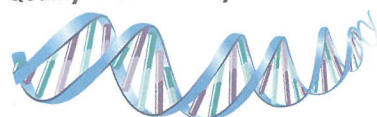


| S.No | QUANTITY  | PRODUCTS DESCRIPTION          | CAT NO. | EX-WORK<br>PRICE (US\$) |
|------|-----------|-------------------------------|---------|-------------------------|
| 113- | 1x 25 g   | Pyridoxine HCL                | P-866   | PHYTO-USA 34.00         |
| 114- | 1x 10 g   | Putrescine, Dihydrochloride   | P-733   | PHYTO-USA 34.00         |
| 115- | 1x 5 g    | Picloram                      | P-717   | PHYTO-USA 90.00         |
| 116- | 1x 100 g  | L-Proline                     | P-698   | PHYTO-USA 53.00         |
| 117- | 1x 5 g    | Paromomycin Sulfate           | P-710   | PHYTO-USA 51.00         |
| 118- | 1x 25 g   | Paclobutrazol                 | P-687   | PHYTO-USA 54.00         |
| 119- | 1x 500 ml | Tween 20                      | P-720   | PHYTO-USA 41.00         |
| 120- | 1x 1 L    | Tween 20                      | P-720   | PHYTO-USA 61.00         |
| 121- | 1x 100 g  | PVP - 40                      | P-728   | PHYTO-USA 25.00         |
| 122- | 1x 500 g  | PVP - 40                      | P-728   | PHYTO-USA 68.00         |
| 123- | 1x 1 kg   | PVP - 40                      | P-728   | PHYTO-USA 116.00        |
| 124- | 1x 100 g  | L-Phenylalanine               | P-778   | PHYTO-USA 27.00         |
| 125- | 1x 1 kg   | Potassium Sulfate             | P-854   | PHYTO-USA 46.00         |
| 126- | 1x 1 kg   | Potassium Phosphatase         | P-705   | PHYTO-USA 102.00        |
| 127- | 1x 100 g  | Potassium Iodide              | P-840   | PHYTO-USA 39.00         |
| 128- | 1x 500 g  | Potassium Iodide              | P-840   | PHYTO-USA 98.00         |
| 129- | 1x 100 g  | Phloroglucinol                | P-694   | PHYTO-USA 161.00        |
| 130- | 1x 25 g   | Pencilline G, Sodium Salt     | P-777   | PHYTO-USA 102.00        |
| 131- | 1x 25 g   | Riboflavin                    | R-779   | PHYTO-USA 48.00         |
| 132- | 1x 5 g    | Rifampicine                   | R-501   | PHYTO-USA 88.00         |
| 133- | 1x 10 g   | Rifampicine                   | R-501   | PHYTO-USA 147.00        |
| 134- | 1x 1 kg   | Sodium Chloride               | S-624   | PHYTO-USA 13.00         |
| 135- | 1x 5 Kg   | Sodium Chloride               | S-624   | PHYTO-USA 54.00         |
| 136- | 1x 25 g   | L-Serine                      | S-807   | PHYTO-USA 32.00         |
| 137- | 1x 500 g  | Sodium Dodecyl Sulfate (SDS)  | S-844   | PHYTO-USA 68.00         |
| 138- | 1x 5 g    | Spermidine                    | S-837   | PHYTO-USA 76.00         |
| 139- | 1x 1 kg   | D-Sucrose                     | S-391   | PHYTO-USA 15.00         |
| 140- | 1x 5 Kg   | D-Sucrose                     | S-391   | PHYTO-USA 64.00         |
| 141- | 1x 25 Kg  | D-Sucrose                     | S-391   | PHYTO-USA 213.00        |
| 142- | 1x 500 g  | D-Sorbitol                    | S-744   | PHYTO-USA 21.00         |
| 143- | 1x 25 g   | Streptomycin Sulfate          | S-739   | PHYTO-USA 34.00         |
| 144- | 1x 25 g   | Spectinomycin Dihydrochloride | S-742   | PHYTO-USA 134.00        |



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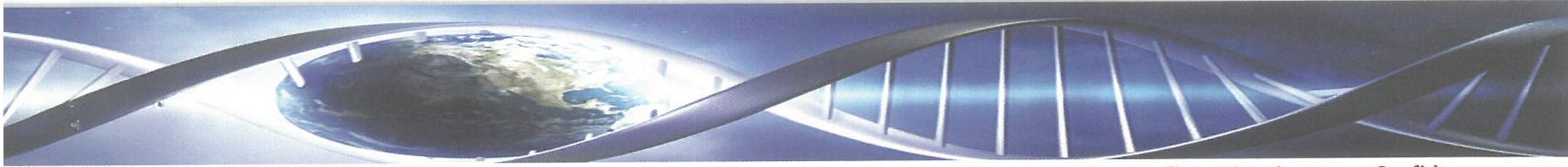
| S.No | QUANTITY    | PRODUCTS DESCRIPTION     | CAT NO. |           | EX-WORK<br>PRICE (US\$) |
|------|-------------|--------------------------|---------|-----------|-------------------------|
| 145- | 1x 1 Kg     | D-Sorbitol               | S-744   | PHYTO-USA | 34.00                   |
| 146- | 1x 2 g      | Timentin                 | T-869   | PHYTO-USA | 73.00                   |
| 147- | 1x 100 g    | L-Tyroseine              | T-873   | PHYTO-USA | 46.00                   |
| 148- | 1x 100 mg   | Thidiazuron, Crystalline | T-888   | PHYTO-USA | 95.00                   |
| 149- | 1x 25 g     | Thiamine Hydrochloride   | T-390   | PHYTO-USA | 32.00                   |
| 150- | 1x 1 Litter | TAE Buffer 50X           | T-769   | PHYTO-USA | 83.00                   |
| 151- | 1x 25 g     | Tetracycline HCL         | T-859   | PHYTO-USA | 32.00                   |
| 152- | 1x 100 g    | Tirs Hydrochloride       | T-858   | PHYTO-USA | 25.00                   |
| 153- | 1x 500 g    | Tirs Hydrochloride       | T-858   | PHYTO-USA | 54.00                   |
| 154- | 1x 1 kg     | Tirs Hydrochloride       | T-858   | PHYTO-USA | 95.00                   |
| 155- | 1x 500 g    | Tris Base                | T-838   | PHYTO-USA | 33.00                   |
| 156- | 1x 1 kg     | Tris Base                | T-838   | PHYTO-USA | 55.00                   |
| 157- | 1x 5 kg     | Tris Base                | T-838   | PHYTO-USA | 270.00                  |
| 158- | 1x 500 g    | Tryptone                 | T-832   | PHYTO-USA | 61.00                   |
| 159- | 1x 1 Kg     | Tryptone                 | T-832   | PHYTO-USA | 102.00                  |
| 160- | 1x 1 kg     | Urea                     | U-890   | PHYTO-USA | 31.00                   |
| 161- | 1x 500 mg   | X-Gal                    | X-874   | PHYTO-USA | 34.00                   |
| 162- | 1x 100 mg   | X-Gluc                   | X-871   | PHYTO-USA | 69.00                   |
| 163- | 1x 500 g    | Yeast Extract            | Y-892   | PHYTO-USA | 68.00                   |
| 164- | 1x 500 g    | Zinc Sulfate             | Z-101   | PHYTO-USA | 36.00                   |
| 165- | 1x 10 mg    | Zeatin                   | Z-125   | PHYTO-USA | 60.00                   |
| 166- | 1x 50 mg    | Zeatin                   | Z-125   | PHYTO-USA | 123.00                  |
| 167- | 1x 10 mg    | Zeatin Ribosid           | Z-899   | PHYTO-USA | 67.00                   |

With best regards,

MOAZZAM ISLAM

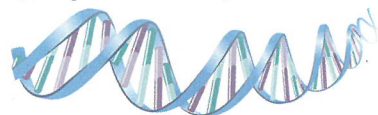






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University of Agriculture **(UAF)**,  
**FAISALABAD.**

Ref No: WWS/UAF/2024-5318  
Dated: 26.03.2024

Subject: **TENDER NO. 24/2024 FOR "CHEMICALS, KITS, ENZYMES & PLASTICWARE".**  
**DUE DATE: 01.04.2024**

| S.No | QUANTITY | PRODUCTS DESCRIPTION | CAT NO. | EX-WORK<br>PRICE (€) |
|------|----------|----------------------|---------|----------------------|
|------|----------|----------------------|---------|----------------------|

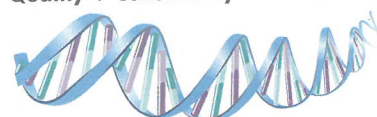
**M/S ROTH-GERMANY QUOTED PRICES ARE EURO (€):-**

|     |        |                               |        |              |        |
|-----|--------|-------------------------------|--------|--------------|--------|
| 01- | 100 g  | Acrylamide                    | 7906.1 | ROTH-Germany | 35.00  |
| 02- | 1 Kg   | Acrylamide 99%                | 7906.2 | ROTH-Germany | 157.00 |
| 03- | 1 Kg   | Acrylamide 98%                | 7871.2 | ROTH-Germany | 106.00 |
| 04- | 500 g  | Acrylamide                    | 7871.1 | ROTH-Germany | 64.00  |
| 05- | 250 ml | AMP                           | 3121.1 | ROTH-Germany | 70.00  |
| 06- | 25 g   | Amido Black 10 B (C.I 20470)  | 9590.1 | ROTH-Germany | 64.00  |
| 07- | 1 Kg   | Ammonium Chloride 99.5        | K298.2 | ROTH-Germany | 40.00  |
| 08- | 1 Kg   | Ammonium Chloride 99 %        | 5470.1 | ROTH-Germany | 26.00  |
| 09- | 1 Kg   | Ammonium Dihydrogen Phosphate | CP85.2 | ROTH-Germany | 56.00  |
| 10- | 1 Kg   | Ammonium Peroxy Disulphate    | 9178.1 | ROTH-Germany | 33.00  |
| 11- | 1 Kg   | Ammonium Peroxidisulphate     | 9592.1 | ROTH-Germany | 41.00  |
| 12- | 250 g  | Ammonium Monovanadate         | 4232.3 | ROTH-Germany | 84.00  |
| 13- | 100 g  | Ampicillin Natriumsalz        | K029.2 | ROTH-Germany | 144.00 |
| 14- | 50 g   | Albumin Fraction V            | 8076.2 | ROTH-Germany | 80.00  |



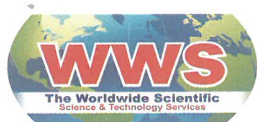
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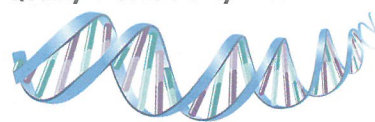
| S.No | QUANTITY  | PRODUCTS DESCRIPTION        | CAT NO. |              | EX-WORK<br>PRICE (€) |
|------|-----------|-----------------------------|---------|--------------|----------------------|
| 15-  | 250 g     | Alginic Acid                | 8696.1  | ROTH-Germany | 34.00                |
| 16-  | 50 g      | L(+)-Arabinose              | 5118.1  | ROTH-Germany | 49.00                |
| 17-  | 100 g     | Amberlite®                  | K306.1  | ROTH-Germany | 41.00                |
| 18-  | 100 g     | DL-Alanine                  | 9798.1  | ROTH-Germany | 62.00                |
| 19-  | 50 g      | BICINE                      | 9162.1  | ROTH-Germany | 54.00                |
| 20-  | 1 Kg      | Boric Acid                  | 5935.1  | ROTH-Germany | 15.00                |
| 21-  | 100 g     | Bis-Acrylamid               | 7867.2  | ROTH-Germany | 46.00                |
| 22-  | 50 g      | Bis-Acrylamid               | 7867.1  | ROTH-Germany | 35.00                |
| 23-  | 100 g     | CTAB                        | 9161.1  | ROTH-Germany | 34.00                |
| 24-  | 10 g      | Carmine (C.I 75470)         | 6859.1  | ROTH-Germany | 99.00                |
| 25-  | 100 g     | Calcium D Pantothnate       | 3812.2  | ROTH-Germany | 35.00                |
| 26-  | 250 g     | Calcium D Pantothnate       | 3812.1  | ROTH-Germany | 70.00                |
| 27-  | 5 g       | CHAPS Pufferan              | 1479.1  | ROTH-Germany | 71.00                |
| 28-  | 1 Kg      | Calcium Chloride dihydrate  | T885.1  | ROTH-Germany | 40.00                |
| 29-  | 1 kg      | Calcium Phosphat Tribasic   | 8450.2  | ROTH-Germany | 41.00                |
| 30-  | 25 g      | Chloramphenicol             | 3886.2  | ROTH-Germany | 33.00                |
| 31-  | 1 g       | Cycloheximide               | 8682.1  | ROTH-Germany | 128.00               |
| 32-  | 2.5 kg    | Celite® 545                 | 0011.1  | ROTH-Germany | 88.00                |
| 33-  | 25 ml     | DEPC                        | K028.1  | ROTH-Germany | 81.00                |
| 34-  | 250 g     | D-(+) Glucose               | X997.1  | ROTH-Germany | 11.00                |
| 35-  | 1 g       | 2-Deoxy-D-Glucose           | CN96.2  | ROTH-Germany | 64.00                |
| 36-  | 1 L       | Dimethyl Formamide          | T921.1  | ROTH-Germany | 70.00                |
| 37-  | 250 ml    | Dimethyl Sulphoxide >99.5 % | A994.2  | ROTH-Germany | 41.00                |
| 38-  | 500 ml    | Dimethylsulfoxide           | 4720.2  | ROTH-Germany | 35.00                |
| 39-  | 1 L       | Dimethylsulfoxide           | 4720.1  | ROTH-Germany | 55.00                |
| 40-  | 1 L       | DEPC-Water                  | T143.3  | ROTH-Germany | 64.00                |
| 41-  | 250 ml    | DNase Away                  | X996.1  | ROTH-Germany | 92.00                |
| 42-  | 25 mg     | DAPI                        | 6335.1  | ROTH-Germany | 121.00               |
| 43-  | for 50 ml | Denhardt's Solution (50x)   | HP33.1  | ROTH-Germany | 132.00               |
| 44-  | 1 g       | Ethidium Bromide            | 7870.1  | ROTH-Germany | 28.00                |



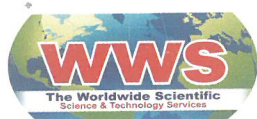


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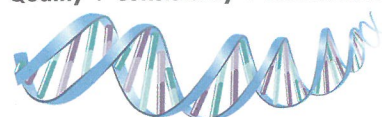


| S.No | QUANTITY | PRODUCTS DESCRIPTION                                  | CAT NO. |              | EX-WORK<br>PRICE (€) |
|------|----------|-------------------------------------------------------|---------|--------------|----------------------|
| 45-  | 5 g      | Ethidium Bormide                                      | 7870.2  | ROTH-Germany | 92.00                |
| 46-  | 15 ml    | Ethidium Bormid Solution 0.5%                         | HP46.1  | ROTH-Germany | 34.00                |
| 47-  | 10 ml    | Ethidium Bormide Solution 1%                          | 2218.1  | ROTH-Germany | 32.00                |
| 48-  | 30 ml    | Ethidium Bormide Solution 1%                          | 2218.2  | ROTH-Germany | 64.00                |
| 49-  | 10 g     | EGTA                                                  | 3054.1  | ROTH-Germany | 55.00                |
| 50-  | 500 g    | EDTA                                                  | CN06.2  | ROTH-Germany | 27.00                |
| 51-  | 1 Kg     | EDTA                                                  | X986.2  | ROTH-Germany | 48.00                |
| 52-  | 1 Kg     | EDTA                                                  | CN06.3  | ROTH-Germany | 48.00                |
| 53-  | 450 ml   | Fast oxidation for DNA Synthesis                      | A133.2  | ROTH-Germany | 110.00               |
| 54-  | 250 ml   | Formamide, Deionized                                  | P040.1  | ROTH-Germany | 99.00                |
| 55-  | 25 g     | Folic Acid                                            | T912.1  | ROTH-Germany | 55.00                |
| 56-  | 10 g     | Ficoll® 400                                           | CN90.1  | ROTH-Germany | 42.00                |
| 57-  | 1 Kg     | Gelatine                                              | 4308.1  | ROTH-Germany | 56.00                |
| 58-  | 1 kg     | Guandidine Hydrochloride                              | 6069.1  | ROTH-Germany | 70.00                |
| 59-  | 500 g    | Guandidine Hydrochloride                              | 6069.2  | ROTH-Germany | 47.00                |
| 60-  | 100 g    | Guanidine Hydrochloride                               | 0035.1  | ROTH-Germany | 64.00                |
| 61-  | 1 Kg     | Guanidine Thiocynate                                  | 0017.2  | ROTH-Germany | 279.00               |
| 62-  | 500 g    | Guanidine Thiocynate                                  | 0017.3  | ROTH-Germany | 158.00               |
| 63-  | 25 g     | Glycogen                                              | HP51.4  | ROTH-Germany | 319.00               |
| 64-  | 1 g      | α-D-Glucose-1-phosphate disodium Salt<br>Tetrahydrate | 6119.1  | ROTH-Germany | 64.00                |
| 65-  | 100 g    | HEPES                                                 | 9105.2  | ROTH-Germany | 33.00                |
| 66-  | 100 g    | HEPES                                                 | HN78.1  | ROTH-Germany | 29.00                |
| 67-  | 100 g    | 8-Hydroxyquinoline                                    | 2557.2  | ROTH-Germany | 56.00                |
| 68-  | 250 g    | Imidazole                                             | 3899.2  | ROTH-Germany | 71.00                |
| 69-  | 500 g    | Imidazole                                             | 3899.3  | ROTH-Germany | 121.00               |
| 70-  | 1 Kg     | Imidazole                                             | 3899.4  | ROTH-Germany | 176.00               |
| 71-  | 10 g     | Nalidixinsaure                                        | 8780.1  | ROTH-Germany | 136.00               |
| 72-  | 10 g     | Nile Blue A                                           | 4377.1  | ROTH-Germany | 99.00                |
| 73-  | 25 g     | Kanamycin Sulfate                                     | T832.2  | ROTH-Germany | 109.00               |
| 74-  | 250 g    | Lithium Chloride                                      | P007.1  | ROTH-Germany | 34.00                |



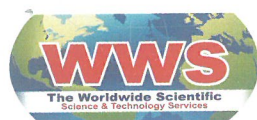
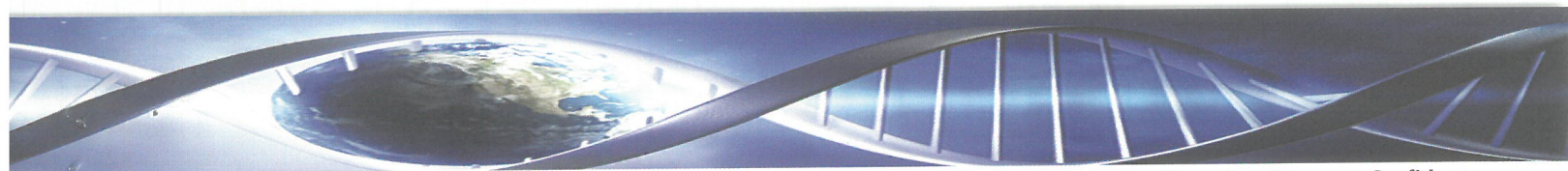
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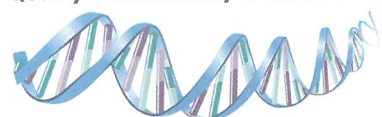
| S.No | QUANTITY | PRODUCTS DESCRIPTION                               | CAT NO. | EX-WORK<br>PRICE (€) |        |
|------|----------|----------------------------------------------------|---------|----------------------|--------|
| 75-  | 1 Kg     | Lactose Monohydrate                                | 8921.1  | ROTH-Germany         | 25.00  |
| 76-  | 25 g     | L-Alanine                                          | 3076.1  | ROTH-Germany         | 29.00  |
| 77-  | 100 g    | L-Proline                                          | T205.2  | ROTH-Germany         | 47.00  |
| 78-  | 100 g    | L-Tryptophane                                      | 4858.2  | ROTH-Germany         | 106.00 |
| 79-  | 1 g      | Lysozyme                                           | 8259.1  | ROTH-Germany         | 28.00  |
| 80-  | 100 g    | L-Serine                                           | 4682.1  | ROTH-Germany         | 64.00  |
| 81-  | 25 g     | L-Cysteine                                         | 1695.1  | ROTH-Germany         | 33.00  |
| 82-  | 100 g    | L-Cysteine                                         | 1693.2  | ROTH-Germany         | 84.00  |
| 83-  | 25 g     | L-Histidine Hydrochloride Monohydrate              | 1697.1  | ROTH-Germany         | 65.00  |
| 84-  | 10 ml    | Minearl Oli                                        | HP50.1  | ROTH-Germany         | 20.00  |
| 85-  | 25 g     | Malachite Green Oxalate (C.I 42000)                | 5895.2  | ROTH-Germany         | 64.00  |
| 86-  | 25 g     | MOPS Sodium Salt PUFFERAN®                         | 6927.1  | ROTH-Germany         | 33.00  |
| 87-  | 100 g    | MOPS Sodium Salt PUFFERAN®                         | 6927.2  | ROTH-Germany         | 88.00  |
| 88-  | 100 ml   | 2-Mercaptoethanol                                  | 4227.3  | ROTH-Germany         | 24.00  |
| 89-  | 250 ml   | 2-Mercaptoethanol                                  | 4227.1  | ROTH-Germany         | 32.00  |
| 90-  | 1 L      | 2-Mercaptoethanol                                  | 4227.2  | ROTH-Germany         | 56.00  |
| 91-  | 500 g    | Malic Acid                                         | K304.1  | ROTH-Germany         | 48.00  |
| 92-  | 1 L      | Molecular Grade Water                              | 3255.1  | ROTH-Germany         | 63.00  |
| 93-  | 1 kg     | Malt Extract                                       | X976.2  | ROTH-Germany         | 62.00  |
| 94-  | 25 g     | N-Acetyl-L-Cysteine                                | 4126.1  | ROTH-Germany         | 48.00  |
| 95-  | 25 g     | N-(1-Naphthyl)-ethylene-diamine<br>dihydrochloride | 4342.1  | ROTH-Germany         | 110.00 |
| 96-  | 1 g      | 4-Nitrophenyl-beta-D-Glucopyranoside               | 4082.2  | ROTH-Germany         | 56.00  |
| 97-  | 500mg    | 4-Nitrophenyl-beta-D-Glucopyranoside               | 4082.1  | ROTH-Germany         | 37.00  |
| 98-  | 1 g      | 4-Nitrophenyl-beta-D-Galactopyranosid              | 4081.1  | ROTH-Germany         | 48.00  |
| 99-  | 1 g      | NAD                                                | AE11.1  | ROTH-Germany         | 41.00  |
| 100- | 250 mg   | NADP Disodium Salt                                 | AE13.1  | ROTH-Germany         | 41.00  |
| 101- | 500 g    | Nutrient Agar                                      | X928.1  | ROTH-Germany         | 86.00  |
| 102- | 500 g    | Nutrient Broth                                     | X929.1  | ROTH-Germany         | 92.00  |
| 103- | 500 g    | Powdered Milk                                      | T145.2  | ROTH-Germany         | 28.00  |





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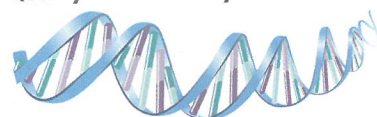


| S.No | QUANTITY | PRODUCTS DESCRIPTION                    | CAT NO. | EX-WORK<br>PRICE (€) |
|------|----------|-----------------------------------------|---------|----------------------|
| 104- | 1 Kg     | Powdered Milk                           | T145.3  | ROTH-Germany 42.00   |
| 105- | 25 g     | Pyruic Acid Sodium salt                 | 8793.1  | ROTH-Germany 32.00   |
| 106- | 500 g    | Polyacrylamide                          | 3048.1  | ROTH-Germany 71.00   |
| 107- | 1 Kg     | PEG 4000                                | 0156.1  | ROTH-Germany 33.00   |
| 108- | 1 Kg     | PEG 6000                                | 0158.1  | ROTH-Germany 33.00   |
| 109- | 1 Kg     | PEG 8000                                | 0263.2  | ROTH-Germany 33.00   |
| 110- | 5 g      | PMSF                                    | 6367.1  | ROTH-Germany 64.00   |
| 111- | 25 g     | PMSF                                    | 6367.2  | ROTH-Germany 165.00  |
| 112- | 1 Kg     | Potassium Hydrogen carbonate            | X887.2  | ROTH-Germany 32.00   |
| 113- | 1 Kg     | Potassium Acetate                       | 4986.1  | ROTH-Germany 63.00   |
| 114- | 1 Kg     | Potassium Carbonate                     | 7956.1  | ROTH-Germany 25.00   |
| 115- | 1 Kg     | Potassium Dihydrogen Phospate           | P018.2  | ROTH-Germany 43.00   |
| 116- | 1 Kg     | Potassium Hydroxide                     | 6751.1  | ROTH-Germany 48.00   |
| 117- | 100 mg   | Proteinase K                            | 7528.1  | ROTH-Germany 79.00   |
| 118- | 500 mg   | Proteinase K                            | 7528.3  | ROTH-Germany 233.00  |
| 119- | 5 mg     | Pepstatin A                             | 2936.1  | ROTH-Germany 55.00   |
| 120- | 100 mg   | Ribonuclease A                          | 7156.1  | ROTH-Germany 72.00   |
| 121- | 1 Lit    | Acrylamid/Bis solution Gel 30 ( )37.5   | 3029.1  | ROTH-Germany 110.00  |
| 122- | 250 ml   | Rotiphorese® NF-Acrylamide/Bis-Solution | A516.1  | ROTH-Germany 88.00   |
| 123- | 500 ml   | Roti® Phenol/Chloroform/Isoamyl Alcohol | A156.2  | ROTH-Germany 147.00  |
| 124- | 1 Lit    | Rotiphorese® 50X TAE Buffer             | CL86.1  | ROTH-Germany 82.00   |
| 125- | 1 Lit    | Rotiphorese® 10X TBE Buffer             | 3061.1  | ROTH-Germany 70.00   |
| 126- | 1 Lit    | Rotiphorese® 100X TE                    | 1052.1  | ROTH-Germany 110.00  |
| 127- | 500 ml   | Roti® Aqua Phenol                       | A980.3  | ROTH-Germany 92.00   |
| 128- | 500 ml   | Roti® Phenol Saturated                  | 38.30   | ROTH-Germany 132.00  |
| 129- | 500 ml   | Roti® Chloroformil (C/I)                | X984.2  | ROTH-Germany 92.00   |
| 130- | 100 g    | Sodium Azide                            | K305.1  | ROTH-Germany 48.00   |
| 131- | 250 G    | Sodium Azide                            | K305.2  | ROTH-Germany 72.00   |
| 132- | 1 Kg     | Sodium Chloride                         | 9265.1  | ROTH-Germany 10.00   |
| 133- | 1 Kg     | Sodium Acetate                          | X891.2  | ROTH-Germany 26.00   |



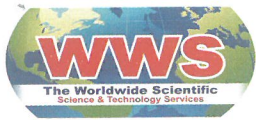
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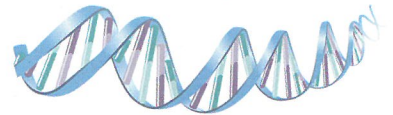
| S.No | QUANTITY | PRODUCTS DESCRIPTION                                           | CAT NO. |              | EX-WORK<br>PRICE (€) |
|------|----------|----------------------------------------------------------------|---------|--------------|----------------------|
| 134- | 1 kg     | Sodium Disulphate                                              | P755.2  | ROTH-Germany | 34.00                |
| 135- | 1 L      | Sodium Hypochlorite Solution                                   | 9062.3  | ROTH-Germany | 99.00                |
| 136- | 500 g    | Sodium Hydrogen Carbonate                                      | 0965.1  | ROTH-Germany | 18.00                |
| 137- | 1 kg     | tri Sodium Citrate dehydrate                                   | 4088.1  | ROTH-Germany | 28.00                |
| 138- | 1 kg     | Sodium Hydroxide                                               | 9356.1  | ROTH-Germany | 21.00                |
| 139- | 1 kg     | Sodium Sulphate Anhydrous                                      | P033.2  | ROTH-Germany | 40.00                |
| 140- | 1 Kg     | SDS                                                            | 5136.1  | ROTH-Germany | 79.00                |
| 141- | 250 g    | SDS                                                            | 4360.1  | ROTH-Germany | 35.00                |
| 142- | 2.5 g    | Sperimin                                                       | 7162.1  | ROTH-Germany | 75.00                |
| 143- | 100 ml   | TEMED                                                          | 2367.1  | ROTH-Germany | 40.00                |
| 144- | 250 ml   | TEMED                                                          | 2367.2  | ROTH-Germany | 71.00                |
| 145- | 25 g     | Tween® 80                                                      | 4859.1  | ROTH-Germany | 25.00                |
| 146- | 1 Kg     | Tween® 20                                                      | 9127.2  | ROTH-Germany | 64.00                |
| 147- | 1 L      | Triton X 100                                                   | 3051.2  | ROTH-Germany | 41.00                |
| 148- | 100 mg   | Trypsin                                                        | 5455.1  | ROTH-Germany | 28.00                |
| 149- | 100 mg   | X-Gal                                                          | 2315.1  | ROTH-Germany | 29.00                |
| 150- | 10 g     | Xylencyanol                                                    | A513.1  | ROTH-Germany | 92.00                |
| 151- | 500 g    | Yeast Nitrogen Base                                            | HP26.1  | ROTH-Germany | 180.00               |
| 152- | 1 Kg     | Yeast Extract                                                  | 2363.2  | ROTH-Germany | 169.00               |
| 153- | 1 Kg     | Zinc Chloride                                                  | 3533.1  | ROTH-Germany | 26.00                |
| 154- | 1 Pair   | Sekuroka® Heat Protection Gloves                               | HE73.1  | ROTH-Germany | 88.00                |
| 155- | 1 Pair   | Cold Resistant Gloves Cama Iso                                 | K970.1  | ROTH-Germany | 64.00                |
| 156- | 1 Pcs    | Membrane Nitrocellulose Standard 200mmx3 m (Proe size 0.45 µm) | 0041.1  | ROTH-Germany | 389.00               |
| 157- | 1 Pcs    | Membrane Nitrocellulose Standard 200mmx3 m (Proe size 0.2 µm)  | 0031.1  | ROTH-Germany | 378.00               |
| 158- | 1 Roll   | Roti® PVDF Mambrane 0.45 µm (375x26.5 cm)                      | T830.1  | ROTH-Germany | 352.00               |
| 159- | 100 Pcs  | Cellulose Mixed Ester Mambrane Filter 0.45 µm                  | CY45.1  | ROTH-Germany | 137.00               |
| 160- | 1 Pcs    | Vacuum Filter Unit, Duran®                                     | 5987.1  | ROTH-Germany | 326.00               |
| 161- | 6 Pcs    | Rotilabo® Micro Homogenizers PP                                | K994.1  | ROTH-Germany | 56.00                |
| 162- | 1000 Pcs | Disposable Inoculating Loops & Needles                         | EA 91.1 | ROTH-Germany | 99.00                |





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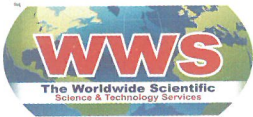


| S.No | QUANTITY  | PRODUCTS DESCRIPTION                          | CAT NO. |              | EX-WORK<br>PRICE (€) |
|------|-----------|-----------------------------------------------|---------|--------------|----------------------|
| 163- | 500 Pcs   | Rotilabo®-Disposable Weighing Trays           | 2150.1  | ROTH-Germany | 72.00                |
| 164- | 500 Pcs   | Rotilabo®-Disposable Weighing Trays           | 1884.1  | ROTH-Germany | 70.00                |
| 165- | 1 Pcs     | Drawer Transporting Container                 | 1099.1  | ROTH-Germany | 359.00               |
| 166- | 1000 Pcs  | Rotilabo®-Safety Microcentrifuge Tubes 2.0 ml | NA16.1  | ROTH-Germany | 29.00                |
| 167- | 100 Pcs   | Rotilabo®-Microtest Plates F-Profile Flat     | 9293.1  | ROTH-Germany | 92.00                |
| 168- | 100 Pcs   | Rotilabo®-Microtest Plates U-Profile Flat     | 9291.1  | ROTH-Germany | 92.00                |
| 169- | 5 Rack/PK | Rotilabo®-Floating Rack                       | P200.1  | ROTH-Germany | 28.00                |
| 170- | 1 Rack    | Rotilabo®-PCR-racks                           | T099.1  | ROTH-Germany | 13.00                |
| 171- | 1 Pcs     | UV Face Screen                                | CA34.1  | ROTH-Germany | 106.00               |
| 172- | 1 Pcs     | UV-Safety Spectacles Millennia Sport          | CA36.1  | ROTH-Germany | 49.00                |
| 173- | 50 Pcs    | Electroporation Cuvettes 1 mm                 | PP38.1  | ROTH-Germany | 216.00               |

With best regards

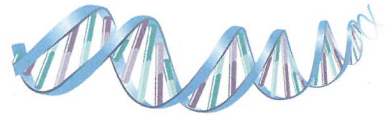
  
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THE DIRECTOR  
(DPIC)

University of Agriculture (UAF),  
FAISALABAD.

Ref No: WWS/UAF/2024-5318  
Dated: 26.03.2024

Subject: **TENDER NO. 24/2024 FOR "CHEMICALS, KITS, ENZYMES & PLASTICWARE".**  
**DUE DATE: 01.04.2024**

| S.No | QUANTITY | PRODUCTS DESCRIPTION | CAT NO. | EX-WORK<br>PRICE (US\$) |
|------|----------|----------------------|---------|-------------------------|
|------|----------|----------------------|---------|-------------------------|

**M/S PLANT CELL-USA:-**

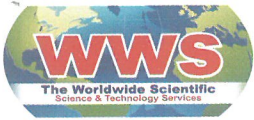
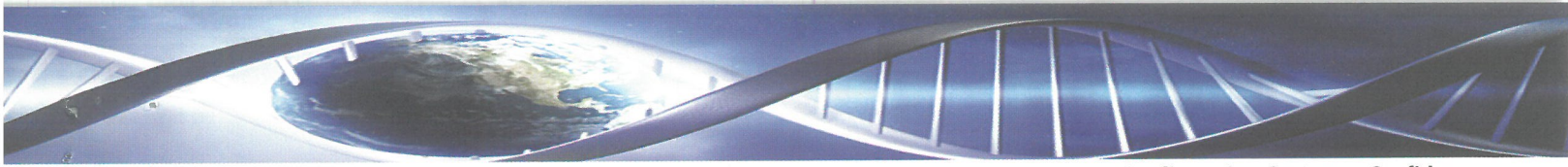
|     |          |                                  |            |                  |        |
|-----|----------|----------------------------------|------------|------------------|--------|
| 01- | 1x100 ml | Plant Preservative Mixture (PPM) | PPM-100    | Plant Cell - USA | 130.00 |
| 02- | 1x500 ml | Plant Preservative Mixture (PPM) | PPM-500    | Plant Cell - USA | 336.00 |
| 03- | 1x100 g  | Plant Agar                       | A296-100G  | Plant Cell - USA | 18.00  |
|     | 1x500 g  | Plant Agar                       | A296-500G  | Plant Cell - USA | 72.00  |
|     | 1x1 Kg   | Plant Agar                       | A296-1 Kg  | Plant Cell - USA | 127.00 |
| 04- | 1x100 g  | Gellan Gum                       | G3251-100G | Plant Cell - USA | 39.00  |

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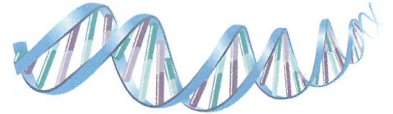
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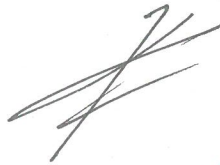


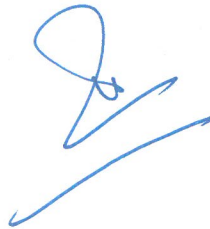
| S.No | QUANTITY | PRODUCTS DESCRIPTION | CAT NO.    |                  | EX-WORK<br>PRICE (US\$) |
|------|----------|----------------------|------------|------------------|-------------------------|
|      | 1x500 g  | Gellan Gum           | G3251-500G | Plant Cell - USA | 98.00                   |
|      | 1x1 Kg   | Gellan Gum           | G3251-1 Kg | Plant Cell - USA | 152.00                  |

With best regards

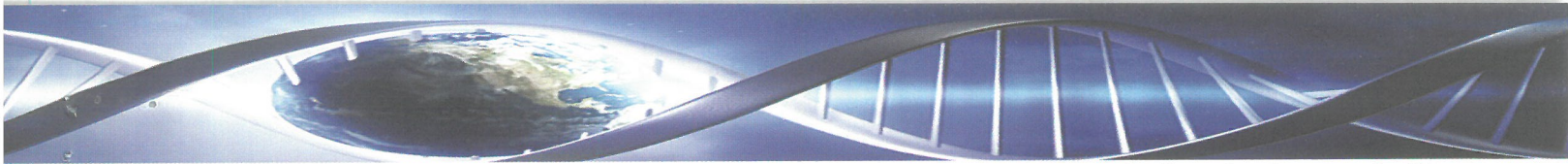
  
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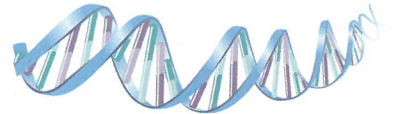






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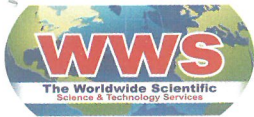
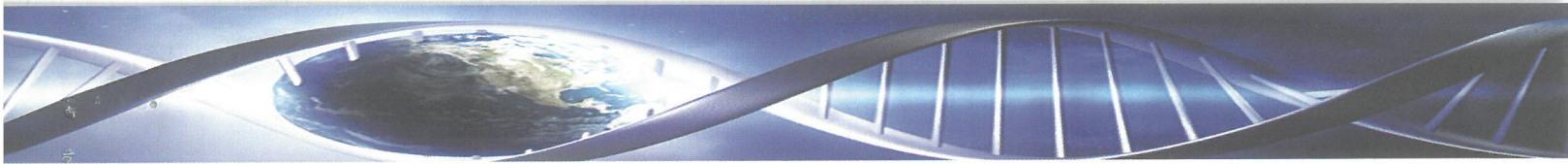
M/S SYNBIO TECHNOLOGY-USA:-

|     |           |                                      |                 |      |
|-----|-----------|--------------------------------------|-----------------|------|
| 01- | Each Base | Primers 50 nmol Scale Synthesis      | Sybio Tech -USA | 0.17 |
| 02- | Each Base | Primers 200 nmol Scale Synthesis     | Sybio Tech -USA | 0.31 |
| 03- | Each Base | Gene Synthesis with Universal Vector | Sybio Tech -USA | 0.38 |

With best regards,

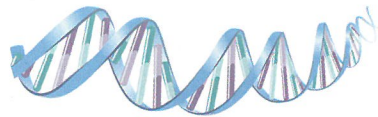






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|------|----------|----------------------|---------|-------------------------|
|------|----------|----------------------|---------|-------------------------|

**M/S BIO-SEEN & NEST SCIENTIFIC - USA:-**

|     |                |                                                  |          |                  |       |
|-----|----------------|--------------------------------------------------|----------|------------------|-------|
| 01- | 500 / Case     | Petri Dish, Sterile 90x15 mm                     | SGB004   | Bio-Seen         | 51.00 |
|     | 500 / Case     | Petri Dish, Sterile 90 mm                        | 752001   | Nest Scientific™ | 58.00 |
| 02- | 1000 Tips/Bag  | Pipette Tips 10 µl RNase & DNase free            | SGA001   | Bio-Seen         | 4.00  |
|     | 1000 Tips /Bag | Pipette Tips 200 µl RNase & DNase free           | SGA002   | Bio-Seen         | 4.00  |
|     | 1000 Tips /Bag | Pipette Tips 1000 µl RNase & DNase free          | SGA003   | Bio-Seen         | 8.00  |
| 03- | 1000 Tubes/Bag | Microcentrifuge Tubes (RNase, DNase Free) 1.5 ml | SGB003-T | Bio-Seen         | 9.00  |
|     |                | <b>OR</b>                                        |          |                  |       |
|     | 1000 Tubes/Bag | Microcentrifuge Tubes (RNase, DNase Free) 1.5 ml | 615001   | NestScientific™  | 12.00 |
| 04- | 1000 Tubes/Bag | PCR Tubes (RNase, DNase Free) 0.2 ml             | SGB001-F | Bio-Seen         | 16.00 |
| 05- | 1000 Tubes/Bag | PCR Tubes (RNase, DNase Free) 0.5 ml             | C79801   | BIOplastics      | 34.00 |
| 06- | 100 Tubes/Pack | Microcentrifuge Self Standing Tubes 2.0 ml       | SGB020   | Bio-Seen         | 13.00 |



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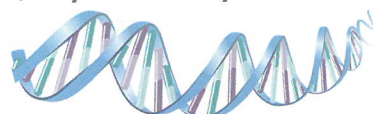
| S.No      | QUANTITY        | PRODUCTS DESCRIPTION                                 | CAT NO.  |                  | EX-WORK<br>PRICE (US\$) |
|-----------|-----------------|------------------------------------------------------|----------|------------------|-------------------------|
| <b>OR</b> |                 |                                                      |          |                  |                         |
|           | 1000 Tubes/Case | Microcentrifuge Tubes 2.0 ml                         | 620611   | NestScientific™  | 24.00                   |
| <b>OR</b> |                 |                                                      |          |                  |                         |
|           | 500 Tubes/Case  | Microcentrifuge Conical Bottom Tubes 2.0 ml          | SGB004   | Bio-Seen         | 12.00                   |
| 08-       | Each            | Cryogenic Storage Boxes with Lid (for 1.5/2ml tubes) | SGB-1400 | Bio-Seen         | 4.00                    |
| 09-       | Each            | Micro-centrifuge Tube Racks (4-Way Flipper Rack)     | SGB024   | BioSeen          | 4.00                    |
| 10-       | 1000 Tubes/Case | Flat Top Cap Centrifuge Tubes 15 ml                  | SGB011-S | Bio-Seen         | 47.00                   |
| 11-       | 500 Tubes/Case  | Flat Top Cap Centrifuge Tubes 50 ml                  | SGB012-S | Bio-Seen         | 45.00                   |
| 12-       | 100 /Case       | Cell Scraper, Length 220 mm, Blade Width 13 mm       | 710001   | Nest Scientific™ | 77.00                   |
| 13-       | 100 Pipette/Pk  | Serological Pipette, sterilized Length 280 mm 1 ml   | 324001   | Nest Scientific™ | 53.00                   |
|           | 100 Pipette/Pk  | Serological Pipette, sterilized Length 280 mm 2 ml   | 325001   | Nest Scientific™ | 51.00                   |
|           | 100 Pipette/Pk  | Serological Pipette, sterilized Length 340 mm 5 ml   | 326001   | Nest Scientific™ | 46.00                   |
|           | 100 Pipette/Pk  | Serological Pipette, sterilized Length 339 mm 10 ml  | 327001   | Nest Scientific™ | 46.00                   |
|           | 50 Pipette/Pk   | Serological Pipette, sterilized Length 309 mm 25 ml  | 328001   | Nest Scientific™ | 66.00                   |
| 14-       | 25 Plates/Pack  | Non-Skirted Thin Wall Plates 96x0.2 ml               | B70501   | BioPlastics      | 104.00                  |
| 15-       | 25 Plates/Pack  | Semi-Skirted PCR Plates 0.1 ml                       | 402812   | NestScientific™  | 64.00                   |
|           | Pack of 100     | PCR Sealing Film                                     | 410001   | NestScientific™  | 105.00                  |
| <b>OR</b> |                 |                                                      |          |                  |                         |
|           | 25 Plates/Pack  | Semi-Skirted Thin Wall qPCR Plates 96x0.2 ml         | B50651   | BIOplastics      | 105.00                  |
|           | Pack of 100     | OptiSeal Optical Adhesive Seal for PCR Plates        | 157300   | BIOplastics      | 129.00                  |
| 16-       | 25 Plates/Pack  | Semi-Skirted Thin Wall qPCR Plates 96x0.2 ml         | B50651   | BIOplastics      | 105.00                  |
| 17-       | 50 / Case       | 6-Well Cell Culture Plate, Flat, TC, Sterile         | 703001   | NestScientific™  | 80.00                   |
| 18-       | 50 / Case       | 12-Well Cell Culture Plate, Flat, TC, Sterile        | 712001   | NestScientific™  | 80.00                   |
| 19-       | 50 / Case       | 24-Well Cell Culture Plate, Flat, TC, Sterile        | 702001   | NestScientific™  | 80.00                   |





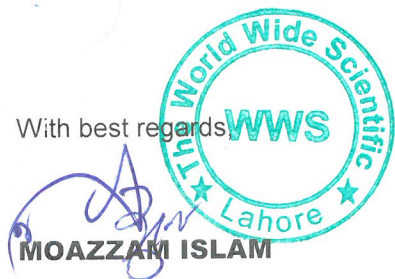
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|------|------------|-----------------------------------------------|---------|-----------------|-------------------------|
| 20-  | 50 / Case  | 48-Well Cell Culture Plate, Flat, TC, Sterile | 748001  | NestScientific™ | 80.00                   |
| 21-  | 100 / Case | 96-Well Cell Culture Plate, Flat, TC, Sterile | 701001  | NestScientific™ | 92.00                   |
| 22-  | Each       | Centrifuge Tube Rack, Sterile 15 ml           | 610001  | NestScientific™ | 4.00                    |
| 23-  | Each       | Centrifuge Tube Rack, Sterile 50 ml           | 610101  | NestScientific™ | 4.00                    |

With best regards



MOAZZAM ISLAM

*[Handwritten signatures and initials]*  
21/6/22  
Lahori