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| **M/s Ayyan Molecular Products, Lahore**  **List B** | | | | | | |
| **Sr.No.** | Description | Cat.No | Qty | Make/Brand | Unite Price | Status of GST |
| **8.** | **Dialysis membrane 10 kDa** | **10 kDa molecular weight cut-off** | **1 M** | **Sangon Biotech Co** | **31800/1M**  **(Two Quotations)** | **exempted** |
| **9.** | **Dialysis membrane 3.5 kDa** | **3.5 kDa molecular weight cut-off** | **1M** | **Sangon Biotech Co** | **31800/1M**  **(Two Quotations)** | **exempted** |
| **12.** | DNA Probes Synthesis with different dyes | USA/Europe Canada/Korea | 1 probes | Sangon Biotech Co | 60000/each | exempted |
| **13.** | i)DNA Sequencing (Sanger Sequencing) | USA/Europe Canada/Korea | 1 run | Sangon Biotech Co | 1800/each run | exempted |
| **23.** | gDNA Bacteria Kit, For Molecular Biology purpose | CS11301 Thermofisher or Equivalent | 1 Pack | Genesand Biotech Co | 29500/50 preps | exempted |
| **27.** | Gene Jet Plasmid Mini Prep Kit | K0503, Thermo Scientific | 200 preps | Genesand Biotech Co | 25000/200 preps | exempted |
| **30.** | GeneJET Genomic DNA Purification Kit for rapid and efficient purification of high quality genomic DNA | Cat# K0722 Thermo or equivalent. (Origin should be Europe or USA) | 50 preps | Genesand Biotech Co | 15000/50 preps | exempted |
| **34.** | Invitrogen™ PureLink Plant RNA Reagent | 12322012 Invitrogen or Equivalent | 100 ml | TransGen Biotech Inc. | 28500/100 ml | exempted |
| **42.** | MEGAscript™ T7, Transcription Kit |  | 25 rnx/kit | TransGen Biotech Inc. | 36750/25 rxn | exempted |
| **50.** | Oligo modfications, FAM-BHQ1 | Synthesis scale 200nM | 1 | Sangon Biotech Co | 60000/each | exempted |
| **51.** | Oligo modfications, HEX-BHQ1 | Synthesis scale 200nM | 1 | Sangon Biotech Co | 60000/each | exempted |
| **52.** | Oligo modfications, Cy5-BHQ2 | Synthesis scale 200nM | 1 | Sangon Biotech Co | 60000/each | exempted |
| **56.** | PCR purification kit, For Molecular Biology purpose | K310002 Thermofisher or Equivalent | 200 prep/kit | TransGen Biotech Inc. | 36000/kit | exempted |
| **70.** | Probe synthesis | USA/Europe Canada/Korea |  | Sangon Biotech Co | 60000/each | exempted |
| **85.** | RNA extraction kit | 1 kit (1 x 250 preps) | 50 preps | TransGen Biotech Inc. | 55000/50 preps | exempted |
| **87.** | RNase Inhibitor | 10787018Thermo or Equivalent | 2000 U | TransGen Biotech Inc. | 11000/2000u | exempted |
| **91.** | T4 DNA ligase (5 U/µL) | Cat# 15224-041, Invitrogen, Thermo fisher Scientific or equivalent. (Origin should be Europe or USA) | 10000 units | TransGen Biotech Inc. | 10000/10000 units | exempted |
| **96.** | Unstained Protein Ladder | Range: 10-200 kDa. For use as molecular weight standards in SDS-PAGE. | 250 uL | TransGen Biotech Inc. | 10000/250 uL | exempted |

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| **M/s Elite International, RWP (List “A”)** | | | | | | |
| **Sr.No.** | Description | Cat.No | Qty | Make/Brand | Unite Price | Status of GST |
| **280.** | Tri-reagent, For Molecular Biology purpose | T9424-100ML | 1 Pack | Faborgen biotech | 20060/100ml | included |
| **List C** | | | | | | |
| **24.** | Gel and PCR clean up system Silica-membrane-based purification of PCR products >100 bp. DNA of up to 10 kb | Cat# A9282, Promega or equivalent. (Origin should be Europe or USA) | 300 preps | Favorgen biotech | 32450/300 preps | included |
| **25.** | Gel extraction kit | For efficient extraction of DNA from agarose gels | 50 preps | Favorgen biotech | 7080/50preps | included |
| **26.** | Gel Extraction Kit, For Molecular Biology purpose | K0691 or K0692, Thermofisher or Equivalent | 50 preps | Favorgen biotech | 7080/50 preps | included |
| **63.** | Plasmid purification kit, For extraction of plasmid DNA from bacterial cells | Thermo scientific or equivalent. (Origin should be Europe or USA) | 100 preps | favorgen biotech | 15930/100preps | included |
| **64.** | Plasmid purification kit Purification of plasmid DNA in a convenient mini column format. | [Cat# K0503](https://www.thermofisher.com/order/catalog/product/K0503) | 300 preps | favorgen biotech | 38940/300preps | included |
| **74.** | Pure Link Quick gel extraction kit | Cat # K2100, invitrogen-Thermo | 1 kit | favorgen biotech | 7080/50preps | included |
| List D | | | | | | |
| **4.** | **200 µl Yellow Pipette Tips** Nonpyrogenic RNase-/DNase-free Beveled Point Autoclavable | Cat# 20-0200 Hamilton, Corning, BrandTech, Eppendorf, Macherey-Nagel Biologix, USA or equivalent | 10 pack (1000tips/pack) | Citotest | 767/each | included |
| **15.** | Aerosol barrier filter pipette tips, sterile – (10 µl), 10 box per pack |  | 10 boxes/pack | Citotest | 7080/each (960 tips) | included |
| **131.** | Microcentrifuge tube 2 ml, made of polypropylene, working temp: -20 to 121 C, freeze proof, DNase/Rnase free | Nest scientific | 1000 tubes/pack | Citotest | 1357/pack | included |
| **133.** | Micropipette tips | 10 µl, RNase & DNase Free. | 1 pack (1000 tips) | Citotest | 885/each | included |
| **135.** | Micropipette tips | 100-1000 µl, RNase & DNase Free. | 1 pack (1000 tips) | Citotest | 767/each | included |
| **136.** | Multi tube rack for 50ml conical, 15ml conical and microcentrifuge tubes |  |  | Citotest | 885/each | included |
| **137.** | Multi well culture plates, PS, 96 wells, R-Type, 10/100/case | Cat# 34196 SPL life sciences | 100 pcs | Citotest | 295/each | included |
| **148.** | **Pipette filler (manual)** | **Z675997-1EA Sigma or Equivalent** |  | **Citotest** | **46610/each (Two Quotations)** | **included** |
| **205.** | Tips 1-20 µl yellow tips universal Fit pipette | Cat # KG1212, KIRGEN. Inc USA | Pack (1000 tips) | Citotest | 767/pack | included |

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| **M/s H.A. Scientific, Traders, FSD**  **List A** | | | | | | |
| **Sr.No.** | Description | Cat.No | Qty | Make/Brand | Unite Price | Status of GST |
| **1.** | 1,3-dichloro-5,5-dimethyl hydantoin CAS#118-52-5 |  | 500 gm | Mackline | 18000/500g | included |
| **3.** | 1-cyano-4-dimethylaminopyridiniom tetrafluoroborate (CDAP) (FOR CONJUGATION) | C2776-100MG Sigma or equivalent |  | Mackline | 44000/500mg | included |
| **4.** | 1-ethyl-3-(3-dimethylaminopropyl) carbodiimide hydrochloride (EDC) (FOR CONJUGATION) | E1769 Sigma or equivalent |  | Mackline | 23811/100gm | included |
| **14.** | 2-amino-4-methoxy benzothiazole, 96 % | 138215, Sigma, **OR** Equivalent | 5g | Mackline | 20610/5gm | included |
| **16.** | 2-bromo-3-(trifluoromethyl)aniline | GC-98%, Prod. No. H64309, Alfa Aesar by thermo fisher scientific **OR** Equivalent | 25g | Mackline | 49560/25gm | included |
| **17.** | 2-Bromo-4-fluoroaniline | GC-97%, Prod. No. 369055, Sigma OR Equivalent |  | Aladdine | 24950/100g | included |
| **18.** | **2-Bromo-5-fluoroaniline** | **GC-98%, Prod. No. B24901, Alfa Aesar by Thermo Fisher Scientific OR Equivalent** |  | **Aladdine** | **25280/100g (Two Quotations)** | **included** |
| **21.** | 2-bromothiazole-5-carboxaldehyde 95% CAS# 464192-28-7 |  |  | Mackline | 47185/5 g | included |
| **22.** | 2-fluoro-5-(trifluoromethyl) phenyl isocyanate | GC-97%, Prod. No. 472190, Sigma, **OR** Equivalent |  | Mackline | 34190/5 g | included |
| **27.** | 3,6-dioxa-1,8-octanedithiol (DODT), CAS#14970-87-7 |  |  | Mackline | 50078/500g | included |
| **34.** | 3-mercaptopropionic acid, CAS#107-96-0 |  | 500 gm | Mackline | 24629/500 g | included |
| **39.** | 4-(Difluoromethoxy)aniline, CAS [22236-10-8] Purity ≥ 97% |  |  | Aladdine | 28910/25 g | included |
| **43.** | 4-acetyl phenyl isocyanate, GC-97% | Prod. No. 439932, Sigma, **OR** Equivalent |  | Mackline | 111888/25 g | included |
| **44.** | 4-Acetyl-N-methylaniline, GC-97% | Prod. No. 665908, Sigma **OR** Equivalent |  | Aladdine | 78192/5 g | included |
| **50.** | 4-bromo-3-trifluoro methyl aniline, GC-98% | Prod. No. 297712, sigma **OR** Equivalent |  | Aladdine | 32500/100 g | included |
| **51.** | 4-Bromo-N-methylaniline, GC-97% | Prod. No. 630977, Sigma **OR** Equivalent |  | Aladdine | 48530/10 g | included |
| **57.** | 4-Fluoro-3-(trifluoromethyl) phenyl isocyanate | GC-97%, Prod. No. 472220, Sigma, **OR** Equivalent |  | Mackline | 55000/ 5g | included |
| **58.** | 4-Fluoroaniline | GC-99%, Prod. No. F3800, Sigma **OR** Equivalent |  | Mackline | 29615/500 g | included |
| **59.** | 4-fluoro-N-methyl aniline | GC-97%, Prod. No. 223069, Sigma **OR** Equivalent |  | Mackline | 51376/25 g | included |
| **63.** | 4-methylthio aniline | GC-97%, Prod. No. M54503, Sigma **OR** Equivalent |  | Aladdine | 36985/100 g | included |
| **65.** | **5-Aminolevulinic acid hydrochloride, ≥98%** |  | **1 g** | **Aladdine** | **65500/25 g (Single Quotation)** | **included** |
| **72.** | **Acetone Commercial grade** |  |  | **commercial grade** | **45000/30L**  **(Single Quotation)** | **included** |
| **73.** | **Acetonitrile (LC-MS Grade)** |  |  | **Merck Milipore** | **35500/4 L**  **(two Quotations)** | **included** |
| **77.** | Adipic acid dihydrazide (25 g), BioXtra, ≥99.5% (HPLC) | 09582-50G, Merck or Equivalent |  | Aladdine | 33405/500gm | included |
| **79.** | AgNO3 CAS# 7761-88-8 |  | 25 gm | VWR | 7500/25gm | included |
| **84.** | **Ammonium citrate dibasic, ~98% (capillary GC)** | **Cat#C1883 Sigma, Roth or equivalent. (Origin should be Europe or USA** |  | **samchun / vwr** | **8100/kg (two Quotations)** | **included** |
| **85.** | **Ammonium citrate tribasic, ≥97%** | **Cat# A1332 Sigma-Aldrich (Origin should be Europe or USA)** |  | **Mackline/ vwr** | **14750/500g (two Quotations)** | **included** |
| **86.** | **Ammonium fluoride, ≥98.0%** | **Cat# 216011 Sigma-Aldrich (Origin should be Europe or USA)** |  | **Mackline/ vwr** | **16275/500g (two Quotations)** | **included** |
| **87.** | **Ammonium formate, 97%** | **Cat# 156264 Sigma-Aldrich (Origin should be Europe or USA)** |  | **samchun /VWR** | **12450/500g(two Quotations)** | **included** |
| **89.** | **Ammonium nitrate, ACS reagent, ≥98%** | **Cat#221244 Sigma-Aldrich, Roth or equivalent (Origin should be Europe or USA** |  | **VWR** | **12500/kg (two Quotations)** | **included** |
| **90.** | **Ammonium persulfate, ≥98 %, p.a., ACS** | **248614 Merck, Cat No.9592.2 Roth, sigma or equivalent (Origin should be Europe or USA)** |  | **samchun /VWR** | **5400/KG (two Quotations)** | **included** |
| **91.** | Ammonium phosphate dibasic, ≥98% | Cat# 215996 Sigma-Aldrich (Origin should be Europe or USA) |  | samchun /VWR | 8500/KG | included |
| **92.** | **Ammonium phosphate monobasic, ≥98.5%** | **Cat#A1645 Sigma-Aldrich, Roth or equivalent. . (Origin should be Europe or USA** |  | **samchun /VWR** | **8500/KG (two Quotations)** | **included** |
| **97.** | BCA solid, Bicinchonic acid | Cat# 23230, Cat# D8284-5G, Pierce-Thermo scientific, Sigma Roth or equivalent (Origin should be Europe or USA |  | mackline | 43100/25 gm | included |
| **98.** | Benzene 99.5% CAS# 71-43-2 |  |  | RCI / VWR | 12900/4 Liter | included |
| **99.** | BICINE, ≥99% (titration) | Cat#B3876 Sigma, Roth or equivalent. Origin should be Europe or USA |  | mackline | 21000/100gm | included |
| **102.** | Bis(trichloromethyl) carbonate (Triphosgene) CAS Number [32315-10-9] Purity > 98% | reagent grade, 98%, Prod. No. 330752, Sigma, **OR** Equivalent |  | mackline | 23857/500gm | included |
| **109.** | Bromothymol Blue, ACS Grade | 114413-5G Merck or Equivalent |  | samchun /vwr | 8775/25gm | included |
| **111.** | **Calcium acetate hydrate, ≥99% (titration), powder** | **Cat#C1000 Sigma-Aldrich, Roth or equivalent. . (Origin should be Europe or USA** |  | **VWR** | **3600/Kg (Two Quotations)** | **included** |
| **112.** | Calcium chloride dihydrate, for molecular biology, ≥99% | Cat#C3306 Sigma or equivalent. (Origin should be Europe or USA |  | samchun /VWR | 4725/KG | included |
| **113.** | **Calcium hydride Purity > 95%** |  |  | **Aladdine** | **42390/500g(Single Quotation)** | **included** |
| **115.** | **Cefepime (Reference), Pharmaceutical Secondary Standard; Certified Reference Material** | **PHR1763-1G Merck or Equivalent** | **1 g** | **Aladdine** | **40284/1g (Two Quotations)** | **included** |
| **121.** | **Chloroform for liquid chromatography, HPLC Grade** | **Deajung or Equivalent** |  | **RCI/VWR** | **14000/4L (Two Quotations)** | **included** |
| **129.** | Crystal Violet | C0775 Sigma-Aldrich, or Equivalent |  | VWR | 4725/25gm | included |
| **130.** | **Cyclohexyl isocyanate** | **GC-99%, Prod. No. C105198, Sigma, OR Equivalent** |  | **Aladdine** | **18943/100g (Two Quotations)** | **included** |
| **134.** | **Dess-Martin periodinane, CAS [87413-09-0]** |  |  | **Aladdine** | **29052/100g** | **included** |
| **135.** | **Dextrose** | **250 gram** |  | **samchun/VWR** | **4320/kg (Two Quotations)** | **included** |
| **138.** | **Dichloromethane HPLC Grade** |  | **2.5 L** | **RCI/VWR** | **11500/2.5L (Two Quotations)** | **included** |
| **140.** | **Diisopropylethylamine** | **GC-99%, Prod. No. D125806, Sigma OR Equivalent** |  | **Aladdine** | **28912/500ml (Two Quotations)** | **included** |
| **142.** | **Dimethylamine (40 % solution in water)** |  |  | **mackline** | **14310/500ml (single Quotation)** | **included** |
| **145.** | Dimethylthiocarbamoyl chloride, CAS [16420-13-6] Purity > 97% |  |  | Aladdine | 30034/100gm | included |
| **146.** | Dipotassium Phosphate, ACS Grade | P3786-100G Merck or Equivalent |  | samchun/VWR | 4725/kg | included |
| **147.** | di-Sodium hydrogen phosphate |  |  | samchun/VWR | 5400/kg | included |
| **148.** | Di-tert-butyl dicarbonate, CAS [24424-99-5] Purity 99% |  |  | Aladdine | 24278/500gm | included |
| **150.** | D-Mannitol, ACS Grade | M9647-250G, Merck or Equivalent |  | samchun/VWR | 6480/kg | included |
| **152.** | EDTA, disodium salt, dihydrate, ≥99%, molecular biology grade, | MPI Biomedicals or Equivalent | 1 kg | samchun/VWR | 10125/kg | included |
| **154.** | **Ethanol Absolute, for molecular biology, ≥99.5 %, Ph.Eur., extra pure** | **Cat# 5054.2 Roth, sigma or equivalent** | **2.5 L** | **VWR** | **4100/2.5L (Two Quotations)** | **included** |
| **156.** | Ethyl 4-aminobenzoate | GC-98%, Prod. No. 112909, Sigma **OR** Equivalent |  | mackline | 27437/500gm | included |
| **160.** | Fluorescein isothiocyanate isomer I (FITC), CAS#3326-32-7 |  |  | mackline | 49970/1gm | included |
| **185.** | **Hydrogen Peroxide, ≥30%, for trace analysis** | **95321-100 ml Merck or Equivalent** | **100 ml** | **samchun/VWR** | **4725/L (Two Quotations)** | **included** |
| **186.** | Imidazole, For molecular biology, ≥99% (titration), Molecular Weight 68.08 | Cat# X998.4 Roth Sigma or equivalent. (Origin should be Europe or USA | 250 g | mackline | 21190/500g | included |
| **188.** | IPTG, Isopropyl-β-D-thiogalactopyranoside (Dioxane-free) | Cat No. BP175510 Fisher sigma or equivalent. (Origin should be Europe or USA) |  | mackline | 32000/25gm | included |
| **189.** | Iron(III) chloride hexahydrate, ACS Grade ≥97% | 1039430250 Merck or Equivalent |  | VWR | 6500/kg | included |
| **190.** | Iso-amyl alcohol | Sigma-Aldrich or Equivalent | 2.5 L | VWR | 16500/2.5L | included |
| **194.** | **Lithium Metal** |  |  | **Aladdine** | **147399/100gm (Two Quotations)** | **included** |
| **195.** | **Magnesium metal** |  |  | **Aladdine** | **60100/250gm (Single Quotations)** | **included** |
| **196.** | **Magnesium Sulphate, ≥99.99% trace metals basis** | **M7506, Cat#229784 Sigma-Aldrich or Equivalent** |  | **Ssmchun/VWR** | **4850/Kg (Two Quotations)** | **included** |
| **200.** | **Methanol LC-MS Grade** | **Merck or Equivalent** | **(2.5 L)** | **Merck Milipore** | **19500/2.5L (Two Quotations)** | **included** |
| **203.** | Methyl red, ACS Grade | 250198-25G Merck or Equivalent | 25 g | samchun/VWR | 4250/25gm | included |
| **204.** | **Methylated spirit** |  |  | **Local** | **1350/liter (Single Quotation)** | **included** |
| **206.** | **N,N-diisopropylethylamine 99% EP, CAS # 7087-68-5** |  |  | **Mackline** | **21892/500ml (Two Quotations)** | **included** |
| **210.** | N-bromosuccinimide (NBS) CAS#128-08-5 |  | 500 gm | Mackline | 18945/500g | included |
| **211.** | ***n*-hexane HPLC Grade** |  |  | **RCI / VWR** | **11100/4L (Two Quotations)** | **included** |
| **213.** | O-Acetylsalicyloyl chloride, CAS [5538-51-2] Purity 97% |  |  | mackline | 45500/100gm | included |
| **214.** | Osmium tetroxide, >99% pure, 100 or 250 mg powder in a glass bottle | 201030 Roth, Sigma or equivalent. |  | santa cruze | 112800/1gm | included |
| **219.** | **Petroleum ether 90% CAS# 8032-32-4, bp 30-40 °C, low boiling point hydrogen treated naphtha** | **Cat No. 77399 Roth, sigma or equivalent.** | **1x2.5 L** | **RCI / VWR** | **20500/4L (Single Quotation)** | **included** |
| **229.** | **p-nitroaniline, GC Purity: 99%** | **Prod. No. 185310, Sigma OR Equivalent** |  | **mackline** | **24559/500g(Two Quotations)** | **included** |
| **230.** | **Poly(ethylene glycol) 10,000 Average mol. wt. 10,000** | **Cat# 81188 Sigma-Aldrich (Origin should be Europe or USA)** | **500 g** | **mackline** | **17470/500g(Two Quotations)** | **included** |
| **232.** | **Poly(ethylene glycol) 400** | **Average mol. wt. 400** |  | **mackline** | **29110/Kg (Two Quotations)** | **included** |
| **234.** | **Poly(ethylene glycol) 8000 Powder. Average mol. wt. 8,000** | **Cat# 89510 Sigma-Aldrich (Origin should be Europe or USA)** |  | **mackline** | **28269/Kg (Two Quotations)** | **included** |
| **236.** | **Polyvinyl alcohol (PVA) CAS#25213-24-5** |  |  | **Korea** | **6500/500g (single Quotations)** | **included** |
| **237.** | **Polyvinyl pyrrolidone (PVP) CAS# 9003-39-8** |  | **500 gm** | **mackline** | **23950/500g(Two Quotations)** | **included** |
| **239.** | p-Toluenesulfonyl isocyanate GC-99%, | Prod. No. 189278, Sigma, **OR** Equivalent | 100g | Aladdine | 15300/100g | included |
| **243.** | **Selenourea, 99.97% (metals basis)** | **ALFA B21440.06 or Equivalent** |  | **santa cuze** | **49500/1gm (single Quotations)** | **included** |
| **244.** | **Sephadex G-25, BioReagent, for molecular biology, DNA grade, Superfine** | **S5772 Merck or GE or equivalent** |  | **Mackline** | **54675/25g (Two Quotations)** | **included** |
| **254.** | **Sodium cacodylate trihydrate, ≥98%** | **Cat#C0250 Sigma, Roth or equivalent (Origin should be Europe or USA** | **10 g** | **Aladdine** | **56450/10gm (single Quotations)** | **included** |
| **265.** | **Sulfuric acid CAS#7664-93-9** |  |  | **RCI / VWR** | **10500/2.5L (Two Quotations)** | **included** |
| **268.** | **Tert-butyl crotonate Purity 97%,** | **Prod. No. 688711, Sigma, OR Equivalent** |  | **Mackline** | **28280/5ml (Two Quotations)** | **included** |
| **272.** | Thiourea, ACS Grade | 1079790250 Merck or Equivalent |  | samchun / vwr | 6100/Kg | included |
| **278.** | **Trifluoro methane sulfonic acid** | **Purity 99%, Prod. No. 347817, Sigma, OR Equivalent** |  | **Mackline** | **34247/100g(Single Quotation)** | **included** |
| **279.** | **Trifuoroacetic anhydride CAS [407-25-0], Reagent Grade, Purity 99%** | **Purity 99%, Prod. No. 106232, Sigma, OR Equivalent** | **100g** | **Aladdine** | **18662/100g (Single Quotation)** | **included** |
| **281.** | Tris (2-carboxyethyl) phosphine (TCEP), BioUltra, ≥98% | 75259, Merck or Equivalent |  | Mackline | 50745/25g | included |
| **294.** | **Zinc chloride ≥97 %, p.a. ACS Grade** | **1088160250 Merck or Equivalent** |  | **VWR** | **4500/KG (Two Quotations)** | **included** |
| **List B** | | | | | | |
| **6.** | Carbenecillin Disodium Salt, MB grade, purity 99%, Fwt: 422.36 g/mol, Suitable for bacterial growth, Formula: C17H16N2Na2O6S | 11077012 Roth, sigma or equivalent (Origin should be Europe or USA) |  | Mackline | 31800/10g | included |
| **20.** | **Pseudomonas Agar Base, For Microbiology purpose** | **CM0559 Oxide or equivalent** |  | **Litlay / Bioworld/ condalab** | **23000/500g(Two Quotations)** | **included** |
| **21.** | Rifampicine MB grade, purity 99%, Fwt: 822.94 g/mol, Suitable for bacterial growth, Formula: C43H58N4O1 | R3501 Roth, sigma or equivalent (Origin should be Europe or USA) |  | Mackline | 25000/25g | included |
| **26.** | Salmonella-Shigella agar, For Microbiology purpose | CM0099 Oxide or equivalent | 0.5 Kg | Litlay / Bioworld/ condalab | 27000/500g | included |
| **28.** | Tetracycline HCl, Cell culture tested, Molecular Formula: C22H24N2O8 . HCl, F.Wt: 480.9, Purity: >98%, Suitable for bacterial growth | 87128 Roth, sigma or equivalent (Origin should be Europe or USA) |  | Mackline | 24250/10g | included |
| **List C** | | | | | | |
| **6.** | DAPI | Thermofisher or Equivalent |  | Mackline | 52000/250mg | Exempted |
| **7.** | Deoxyribonuclease (DNAse) | D5025 - Merck or Equivalent | 150 KU | Mackline | 79350/500 mg | Exempted |
| **option** | Deoxyribonuclease (DNAse) |  |  | Mackline | 30500/100 mg | Exempted |
| **59.** | Phusion High-Fidelity DNA Polymerase 2 U/uL, Error rate 50-fold lower than that of Taq, and 6-fold lower than that of Pfu. | F553L Roth, sigma or equivalent (Origin should be Europe or USA | 100 units | Bio Takra USA | 47500/100Rxns | Exempted |
| **List D** | | | | | | |
| **3.** | **1000ml conical flask** | **Pyrex** |  | **China** | **1650/Each (Two Quotations)** | **included** |
| **5.** | **2000 ml conical flask** | **Pyrex** |  | **China** | **3650/Each (Two Quotations)** | **included** |
| **6.** | **250ml conical flask** | **Pyrex** |  | **China** | **625/Each (Two Quotations)** | **included** |
| **22.** | **Beakers (Borosilicate Glass) 500 mL, 1000 mL, High clarity polypropylene, Crisp blue printed graduations, Ergonomically designed handle, Thumb grip for easy carrying, Use up to 135°C, autoclave able, shatter proof** | **BR912224, Roth, sigma or equivalent (Origin should be Europe or USA)** |  | **China** | **570/Each (Two Quotations)** | **included** |
| **23.** | **Beakers Pyrex Glass (250 mL)** | **Europe/USA** | **5** | **China** | **340/Each (Two Quotations)** | **included** |
| **24.** | Beakers Pyrex Glass (1 Lit) | Europe/USA | 10 | China | 890/Each | included |
| **27.** | Blood vacutainer (lithium heparin) 3 ml or 5 ml |  | Pack of 100 | China | 3000/100 tubs | included |
|  | **5 ML** |  |  | **China** | **3500/100 tubs (Single Quotation)** | **included** |
| **28.** | **Blue Nitrile Gloves, Disposable, Powder Free, Extra Large** | **(Omnilab catalogue No. 5421393 OR Equivalent)** |  | **Malaysia /Thailand /China** | **2000/Pkt (Single Quotation)** | **included** |
| **29.** | **Blue Nitrile Gloves, Disposable, Powder Free, Large** | **(Omnilab catalogue No. 5421392 OR Equivalent)** |  | **Malaysia /Thailand /China** | **2000/Pkt (Single Quotation)** | **included** |
| **30.** | **Blue Nitrile Gloves, Disposable, Powder Free, *Medium*** | **(Omnilab catalogue No. 5421391 OR Equivalent)** |  | **Malaysia /Thailand /China** | **1850/Pkt (Single Quotation)** | **included** |
| **31.** | **Blue Nitrile Gloves, Disposable, Powder Free, Small** | **(Omnilab catalogue No. 5421390 OR Equivalent)** |  | **Malaysia /Thailand /China** | **1850/Pkt (Single Quotation)** | **included** |
| **33.** | **Burrete clamp, Min. span 0 mm, Max. span 20 mm** | **Roth Art. No. PH49.1 OR Equivalent** |  | **China** | **2050/Each (Single Quotation)** | **included** |
| **OPTION** |  |  |  | **China** | **900/Each (Single Quotation)** | **included** |
| **34.** | **Butter Fly Needle 2** |  |  | **China** | **55/Each (Single Quotation)** | **included** |
| **36.** | Cellulose Nitrate membrane Filter paper,0.2 µm,100circles- 47mm | Whattman / Equivalent | 1 pack | China | 6100/100 pcs | included |
| **41.** | **Clamp stainless steel** | **Roth Art. No. XT63.1 OR Equivalent** |  | **China** | **2500/Each (Two Quotations)** | **included** |
| **49.** | **Conical Flasks Pyrex Glass, (1000ml/1Lit)** | **Europe/USA** |  | **China** | **1650/Each (Two Quotations)** | **included** |
| **50.** | **Conical Flasks Pyrex Glass (100ml)** | **Europe/USA** |  | **China** | **500/Each (Two Quotations)** | **included** |
| **51.** | **Conical Flasks Pyrex Glass (250 mL)** | **Europe/USA** |  | **China** | **650/Each (Two Quotations)** | **included** |
| **52.** | Conical Flasks Pyrex Glass (500ml) | Europe/USA |  | China | 890/Each | included |
| **54.** | Cryo boxes for 1.5 ml tubes | 90-9100 Biologix or equivalent |  | China | 1450/Each | included |
| **56.** | Cryovials | Sigma-Aldrich, Thermofisher or Equivalent |  | China | 4800/500 pcs | included |
| **59.** | **Cuvettes plastic Disposable 285-800 nm spectral range10 mm × 4 mm × 45 mm, 1.5 mL** | **Cat# 759076D, Z187992-1PAK, Fisher, Sigma, BioRad, Gensee Scienitfic or equivalent. (Origin should be from Europe or USA)** | **100/pk** | **China** | **9500/100 pcs (Two Quotations)** | **Exempted** |
| **62.** | **Desiccator Plastic, 4-5 L** | **Roth Art. No. 1827.1, OR Equivalent** |  | **China** | **48500/Each (single Quotation)** | **included** |
| **70.** | **Disposable Spectrophotometer Cuvettes,** Capacity (Metric): 1.5 mL, Length (Metric): 12mm, Wavelength Range: 280 to 800 nm | Kartell, Thermo Scientific, Cole Parmer or equivalent | 1 Pack | China | 9500/100 pcs | included |
| **77.** | **Distillation attachment, 14/23, 14/23** | **Roth Art. No. KX44.1, 29/32 OR Equivalent** |  | **China** | **1550/Each (Two Quotations)** | **included** |
| **78.** | **Distillation attachment, 19/26, 19/26** | **Roth Art. No. EPE4.1 OR Equivalent** |  | **China** | **1550/Each (Two Quotations)** | **included** |
| **79.** | **Distillation attachment, 24/29, 24/29** | **Roth Art. No. Y680.1 OR Equivalent** |  | **China** | **1650/Each (Two Quotations)** | **included** |
| **80.** | **Double neck attachment, Core size: 24/29, Sleeve size: 24/29** | **Roth Art. No. EPC4.1, OR Equivalent** |  | **China** | **1950Each (Two Quotations)** | **included** |
| **81.** | Double neck round bottom flasks, 100 ml, 24/29, 14/23 | **Roth Art.No**. ELC7.1 OR Equivalent |  | China | 1650/Each | included |
| **82.** | Double neck round bottom flasks, 250 ml, 24/29, 14/23 | Roth Art. No. E607.1 OR Equivalent |  | China | 1950/Each | included |
| **83.** | **Double neck round bottom flasks, 50 ml, 14/23, 14/23** | **Roth Art. No. KY13.1 OR Equivalent** |  | **China** | **1650/Each (Two Quotations)** | **included** |
| **87.** | **Erlenmeyer flasks (conical flasks), 2000 ml, narrow mouth, borosilicate glass for highest resistance to thermal shock and chemical corrosion** | **Pyrex, Aldrich, Corning, Duran or equivalent** |  | **China** | **3650/Each (Two Quotations)** | **included** |
| **90.** | **Face mask** | **China** | **Pack of 50** | **Local** | **350/Pkt (Single Quotation)** | **included** |
| **94.** | **Filter paper Sheet Dimensions (L x W) 72 x 45 cm , 100 sheets/pk Pore size >10nm Pore size distributions: 35%** |  |  | **Brazil** | **6150/100 Sheets (Single Quotation)** | **included** |
| **100.** | Gas wash bottle, Without filter plate, 100 ml | Roth Art. No. KX61.1 OR Equivalent |  | China | 2000/Each | included |
| **101.** | Gas wash bottle, Without filter plate, 250 ml | Roth Art. No. KX62.1 OR Equivalent |  | China | 2150/Each | included |
| **102.** | Gas wash bottle, Without filter plate, 500 ml | Roth Art. No. KX63.1 OR Equivalent |  | China | 2500/Each | included |
| **104.** | **Glass centrifuge tubes** |  |  | **China** | **2400/Each (Single Quotation)** | **included** |
| **110.** | **Gloves Latex** | **Small/Medium/Large Powder free** | **10 Pack** | **Malaysia /Thailand /China** | **1550/Pkt (Single Quotation)** | **included** |
| **117.** | **Lens Cleaning Tissue Paper 100X150mm** | **Whatman, Grade 105** | **1 box** | **Whatman** | **3000/Pkt (Single Quotation)** | **included** |
| **118.** | **Magnetic stirrer bar, 8 mm, 25 mm** | **Roth Art. No. XA18.1 OR Equivalent** |  | **China** | **300/Each** | **included** |
| **119.** | **Magnetic stirrer bar, 3 mm, 12 mm** | **Roth Art. No. XA17.1 OR Equivalent** |  | **China** | **300/Each (Two Quotations)** | **included** |
| **120.** | **Magnetic stirrer bar, 8 mm, 50 mm** | **Roth Art. No. XA20.1 OR Equivalent** |  | **China** | **750/Each (Two Quotations)** | **included** |
| **127.** | **Measuring spoons set (Spatulas)** | **Roth Art. No. HC47.1 OR Equivalent** |  | **Pyrex** | **3500/set (Two Quotations)** | **included** |
| **136.** | Multi tube rack for 50ml conical, 15ml conical and microcentrifuge tubes |  |  | China | 350/Each | included |
| **138.** | **Multi-channel pipette (upto 200 microliter)** | **Z683922 Eppendorf or Equivalent** |  | **ACE GmbH** | **88500/Each (Two Quotations)** | **included** |
| **142.** | **Pasteur pipettes (Glass) Long, 220 mm** |  |  | **China** | **2500/Each (Single Quotation)** | **included** |
| **157.** | **Polypropylene Plastic Graduated Beaker, with handle (1 Lit)** | **Europe/USA** |  | **China** | **350/Each (Single Quotation)** | **included** |
| **158.** | **Polypropylene Plastic Graduated Beaker, with handle (2 Lit)** | **Europe/USA** |  | **China** | **850/Each (Single Quotation)** | **included** |
| **159.** | **Polypropylene Plastic Graduated Beaker, with handle (3 Lit)** | **Europe/USA** |  | **China** | **1250/Each (Single Quotation)** | **included** |
| **160.** | **Polythene Gloves (Plain)** | **Medium size, China 100 pkt** |  | **China** | **250/pkt (Single Quotation)** | **included** |
| **163.** | **Reagent Bottles with caps (100 ml), Manufactured from borosilicate glass, Resistance to chemical attack and high temperatures, With PBT screw caps that have a PTFE faced sealing disc, Autoclavable, White graduations and marking spot** | **Pyrex, Aldrich, Corning, Duran or equivalent** |  | **China** | **500/Each (Two Quotations)** | **included** |
| **164.** | **Reagent Bottles with caps (1000 ml), Manufactured from borosilicate glass, Resistance to chemical attack and high temperatures, With PBT screw caps that have a PTFE faced sealing disc, Autoclavable, White graduations and marking spot** | **Pyrex, Aldrich, Corning, Duran or equivalent** |  | **China** | **1080/Each (Two Quotations)** | **included** |
| **165.** | **Reagent Bottles with caps (500 ml), Manufactured from borosilicate glass, Resistance to chemical attack and high temperatures, With PBT screw caps that have a PTFE faced sealing disc, Autoclavable, White graduations and marking spot** | **Pyrex, Aldrich, Corning, Duran or equivalent** |  | **China** | **800/Each (Two Quotations)** | **included** |
| **166.** | **Reagent screw cap Bottle 1000ml, Pyrex or Equivalent** | **Pyrex** | **Unit** | **China** | **1080/Each (Two Quotations)** | **included** |
| **167.** | **Reagent screw cap Bottle 100ml, Pyrex or Equivalent** | **Pyrex** | **Unit** | **China** | **500/Each (Two Quotations)** | **included** |
| **168.** | **Reagent screw cap Bottle 2000 ml Pyrex** | **Pyrex** | **Unit** | **China** | **6500/Each (Two Quotations)** | **included** |
| **169.** | **Reagent screw cap Bottle 500ml, Pyrex or Equivalent** | **Pyrex** | **Unit** | **China** | **800/Each (Two Quotations)** | **included** |
| **172.** | **Round bottom flasks, 50ml, Standard ground glass joint sleeve (29/32)** | **Roth Art. No. ACH2.1, OR Equivalent** |  | **China** | **1550/Each (Two Quotations)** | **included** |
| **174.** | **Round bottom flasks, 500 ml, Standard ground glass joint sleeve (29/32)** | **Roth Art. No. ACH8.1, OR Equivalent** |  | **China** | **2650/Each (Two Quotations)** | **included** |
| **175.** | **Round bottom flasks, Standard ground glass joint sleeve (19/26), 100 ml** | **Roth Art. No. ACH4.1, OR Equivalent** |  | **China** | **2200/Each (Two Quotations)** | **included** |
| **183.** | **Silica Thin Layer Chromatography plates** | **Meck TLC plates OR Equivalent** |  | **Merck** | **20500/Pkt (Single Quotation)** | **included** |
| **184.** | **Slide Boxes (100 pieces plastic)** |  |  | **China** | **650/Each (Single Quotation)** | **Exempted** |
| **188.** | **Spatula, Made from ASTM™ standard stainless-steel construction and polished finishing** | **Azlon, Cole Parmer, Fisherbrand or equivalent** | **2 Nos** | **China** | **550/Each (Single Quotation)** | **Exempted** |
| **189.** | **Spinbar Magnetic Retriever, polyethylene pick-up rod, with powerful Alnico magnet sealed in one end** | **Azlon, Cole Parmer, Fisherbrand or equivalent** | **2 Nos** | **China** | **2450/Each (Single Quotation)** | **included** |
| **193.** | **Stand set with accessories (stand plate, stand rod, clamp and immersion limiters)** | **Roth Art. No. TA77.1 OR Equivalent** |  | **China** | **7000/Each (two Quotations)** | **included** |
| **194.** | **Sterile swabs** | **BD / Oxoid/ Equivalent** | **Pack of 100** | **China** | **1890/100pc (Single Quotation)** | **included** |
| **195.** | **Stir Bar Box Set, Octahedral, molded in pure, FDA-a8pproved PTFE plastic, 2 each of 13 x 8mm, 2 each of 15 x 8mm, 2 each of 25 x 10mm, 2 each of 38 x 10mm, 2 each of 51 x 10mm, 2 each of 64 x 10mm** | **Azlon, Cole Parmer, Fisherbrand or equivalent** | **1 set** | **China** | **250/Each (Single Quotation)** | **included** |
|  | **Option** |  |  | China | 250Each (Single Quotation) | included |
|  | **Option** |  |  | China | 275/Each (Single Quotation) | included |
|  | **Option** |  |  | China | 375/Each (Single Quotation) | included |
|  | **Option** |  |  | China | 600/Each (Single Quotation) | included |
|  | **Option** |  |  | China | 750/Each (Single Quotation) | included |
| **203.** | Test tube stand, For tube Ø 18-20 mm | Roth Art. No. 1LKN.1 OR Equivalent |  | China | 950/Each | included |
| **204.** | **Thermometer, (General Purpose Liquid-In-Glass Thermometers), Temperature range: -20°C to +150°C** | **Brannan, Cole Parmer, H-B Instrument, Alla France, Pyrex or equivalent** | **5 Nos** | **Zeal** | **350/Each (Two Quotations)** | **included** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **M/s KHB, International, FSD**  **List A** | | | | | | |
| **Sr.No.** | Description | Cat.No | Qty | Make/Brand | Unite Price | Status of GST |
| **5.** | 1-naphthyl isocyanate | GC-98%, Prod. No. 170518, Sigma, **OR** Equivalent |  | AMBEED | 9500/25g | included |
| **7.** | **2-(2-Thienyl)pyridine, 98%** | **Cat. No. T29365G, fisher scientific, OR Equivalent** | **5g** | **AMBEED** | **14500/5g (two Quotation)** | **included** |
| **8.** | 2-(Trifluoromethyl)phenyl isocyanate | GC-97%, Prod. No. 159379, Sigma, **OR** Equivalent | 5g | Oakwood USA | 18000/5g | included |
| **9.** | 2,4,6-Trimethylstyrene, 95%, contains <0.05% tert-butylcatechol as inhibitor | Prod. No. 259780, Sigma, **OR** Equivalent | 5g | AMBEED | 28500/5g | included |
| **11.** | 2,6-Dimethoxyaniline | GC-97%, Cat. No. AAH2713906, Fisher Scientific, **OR** Equivalent | 5g | AMBEED | 9500/5g | included |
| **13.** | 2-amino 4-p-tolyl thiazole, 96% | 534161, Sigma, **OR** Equivalent | 5g | AMBEED | 19500/5g | included |
| **14.** | 2-amino-4-methoxy benzothiazole, 96 % | 138215, Sigma, **OR** Equivalent | 5g | AMBEED | 27500/5g | included |
| **15.** | **2-Amino-5-bromo-3-nitropyridine, GC-97%,** | **Prod. No. A14985, Alfa Aesar by Thermo Fisher Scientific OR Equivalent** | **25g** | **AMBEED** | **15800/25g (single Quotation)** | **included** |
| **24.** | 3-(Methylthio)phenyl isocyanate | GC-97%, Cat. No. OR0659 Apollo Scientific, OR Equivalent |  | Oakwood USA | 18500/1g | included |
| **35.** | 3-Nitrostyrene, 96% | Prod. No. N26601, Sigma, **OR** Equivalent | 2.5g | Sigma | 48000/2.5g | included |
| **37.** | 3-Vinylbenzaldehyde, GC-97% | Prod. No. 523062, Sigma, **OR** Equivalent | 5g | Sigma | 95000/5g | included |
| **42.** | 4′-Aminoacetophenone, GC-99% | Prod. No. A38002, Sigma **OR** Equivalent | 100g | AMBEED | 11500/100g | included |
| **49.** | 4-Bromo-3-fluoroaniline, GC-97% | Prod. No. 518719, Sigma **OR** Equivalent | 5g | AMBEED | 6000/5g | included |
| **52.** | 4-bromophenyl isocyanate, GC-99% | Prod. No. 241563, Sigma, **OR** Equivalent | 10g | Fluorochem | 27500/10g | included |
| **54.** | 4-Chloro-2-fluoroaniline | GC-98%, Prod. No. 317160, Sigma, **OR** Equivalent | 25g | AMBEED | 7500/25g | included |
| **56.** | 4-fluoro phenyl isocyanate | GC-99%, Prod. No. F14335, Sigma, **OR** Equivalent | 5g | Fluorochem | 14500/5g | included |
| **64.** | 4-trifluoromethoxyaniline | GC-98%, Prod. No. 337056, Sigma **OR** Equivalent | 25g | AMBEED | 6800/25g | included |
| **78.** | **Agarose molecular biology grade, High purity for preparative and analytical electrophoresis of nucleic acids. Range (200bp to 40kb) Gelling Temp.: 35-37°C\* Sulfate: DNase/RNase: None detected** | **Cat No. T846.3Roth, Sigma Aldrich or equivalent. (Origin should be Europe or USA)** | **1 Kg** | **Bioworld USA** | **33500/500g**  **(Two Quotations)** | **78.** |
| **101.** | Bis(pinacolato)diboron, Purity > 97% CAS [73183-34-3] |  | 5 g | AMBEED | 7500/25g | included |
| **103.** | Bisacrylamide | ≥97%, powder, suitable for electrophoresis | 50 g | Bioworld USA | 7000/100g | included |
| **106.** | Bovine Serum Albumin (BSA) | Lyophilized powder, ≥96% | 25 g | Bioworld USA | 9500/25g | included |
| **Option** |  |  |  |  | 30000/100g | included |
| **116.** | **Ceftriaxone (Reference), Pharmaceutical Secondary Standard; Certified Reference Material** | **PHR1382-1G Merck or Equivalent** | **1 g** | **Sigma** | **68500/1g (Single Quotation)** | **included** |
| **119.** | CHAPS PUFFERAN® ≥98 %, for biochemistry | Cat No. 1479.2 Roth, Sigma or equivalent. . (Origin should be Europe or USA | 25g | Bioworld USA | 15000/5g | included |
| **122.** | **Ciprofloxacin (Reference), Pharmaceutical Secondary Standard; Certified Reference Material** | **PHR1167-1G Merck or Equivalent** | **1 g** | **Sigma** | **59000/1g (Single Quotation)** | **included** |
| **126.** | Colcemid solution | Ref # 15212-012 Gibco/ Equivalent | 10ml | Biowest France | 9500/50ml | included |
| **149.** | DL-Dithiothreitol (DTT), BioUltra for MB ≥99.5%, Fwt: 154.25 | D1532 Roth, sigma or equivalent (Origin should be Europe or USA) | 5 g | Bioworld USA | 9500/5g | included |
| **171.** | Fmoc-Nle-OH CAS#77284-32-3 |  | 5 gm | AMBEED | 14500/25g | included |
| **179.** | **Gentamicin (Reference), Pharmaceutical Secondary Standard; Certified Reference Material** | **PHR1077-1G Merck or Equivalent** | **1 g** | **Sigma** | **67500/1g (single Quotation)** | **included** |
| **197.** | Mercaptosuccicnic acid, CAS#70-49-5 |  | 5 gm | Fluorochem uk | 9500/25g | included |
| **202.** | Methyl 4-aminobenzoate | GC-98%, Prod. No. 274186, Sigma **OR** Equivalent | 25g | AMBEED | 7500/25g | included |
| **209.** | **N,N-Dimethyl-p-phenylenediamine** | **GC-97%, Prod. No. 193992, Sigma OR Equivalent** | **100g** | **Fluorochem uk** | **9500/10g (Single Quotation)** | **included** |
| **212.** | ***N*-Methyl-*N*-phenylcarbamoyl chloride Purity ≥ 98%** | **Sigma 328766 or equivalent** | **5 g** | **Sigma** | **65000/5g (Single Quotation)** | **included** |
| **217.** | Penicillin streptomycin solution 10,000 units/ml penicillin + 10,000µg streptomycin | Gibco/ Equivalent | 100 ml | Biowest France | 6500/100ml | **217.** |
| **220.** | PFGE Pure Agarose, For Molecular Biology purpose | AG002 or 1620137, Canvax/ Biorad or Equivalent | 50 g | IBI Scientific | 25000/50g | **220.** |
| **225.** | Phenylmethylsulfonyl fluoride (PMSF) | ≥98.5% | 1 g | Bioworld USA | 8500/5g | included |
| **226.** | Phosphate buffered saline (PBS), (pH 7.4) |  | 500 ml | Caisson lab usa | 6500/500ml | included |
| **228.** | **Picrylsulfonic acid (2,4,6-Trinitrobenzene sulfonic acid) solution – Bio-reagent Grade** | **P2297-10ML Merck or Equivalent** | **10 ml** | **Merck** | **55000/10ml**  **(single Quotation)** | **included** |
| **231.** | **Poly(ethylene glycol) 3350 Powder. Average mol. wt. 3,350** | **Cat# 202444 Sigma-Aldrich (Origin should be Europe or USA)** | **250 g** | **sigma aldrich** | **28500/250g**  **(Two Quotation)** | **included** |
| **233.** | **Poly(ethylene glycol) 6000 Molecular biology grade, Average mol. wt. 6,000** | **Cat# 81260 Sigma-Aldrich (Origin should be Europe or USA)** | **100 g** | **sigma aldrich** | **32000/kg (Two Quotation)** | **included** |
| **245.** | **Sephadex G-50, BioReagent, for molecular biology, DNA grade, fine** | **S5897 Merck or GE or equivalent** |  | **Merck** | **45000/25g (Two Quotation)** | **included** |
| **246.** | **Sephadex G-75, molecular biology, DNA grade** | **G7550 Merck or GE or equivalent** |  | **Merck** | **25000/10g (Two Quotation)** | **included** |
| **247.** | **Sepharose CL -6B Molecular Biology grade** | **CL6B200 Merck or GE or equivalent** |  | **Cytiva** | **545000/1-L (Two Quotation)** | **included** |
| **251.** | Sodium Azide (NaN3), 26628-22-8 |  | 25 gm | Bioworld USA | 6500/25g | included |
| **267.** | TEMED, BioReagent, for molecular biology, ≥99% (GC) | T7024 Merck or Equivalent | 100 ml | Bioworld USA | 6500/100ml | included |
| **270.** | Thiamine Hydrochloride, BioReagent, suitable for cell culture | T1270-25G Merck or Equivalent | 25 g | AMBEED | 8500/25g | included |
| **273.** | Timentin | 42010012-5 Bio World USA or Equivalent | 50g x 2 | Bioworld USA | 75000/50g | included |
| **275.** | **MSTFA CAS# 24589-78-4** |  | **10 ml** | **AMBEED** | **12500/5g (Two Quotation)** | **included** |
| **282.** | Tris Base, Ultra pure grade Primary Standard and Buffer, ≥99.9% (titration), crystalline, pH: 10.5-12, | Cat# T1503- sigma or equivalent. (Origin should be Europe or USA. | 3 x 100 g | Bioworld USA | 9450/1kg | included |
| **289.** | UltraPure™ N,N'-methylenebisacrylamide | 15516024 Invitrogen or Equivalent | 100 g | sigma aldrich | 7500/100g | included |
| **293.** | Water, RNase, DNase-free | Alfa Aesar Germany /Merck or Equivalent | 3 liter | Biowest France | 5500/500ml | included |
| **List B** | | | | | | |
| **1.** | Antibiotic-Antimycotic (100 x) (1 year validity-at least) | 15240062 Thermo/Life technologies | 1 x 100 ml | Caisson Lab usa | 12000/100ml | included |
| **2.** | Bacteriological Agar Gel Strength: 550–950 g/cm2 Gelling Temperature: 34–38 °C Melting Temperature: 84–88 °C Soluble in boiling water, Bio-world USA | Cat No.30620001 Sigma Aldrich or equivalent. (Origin should be Europe or USA) | 1 Kg | bioworld usa | 5500/500g | included |
| **3.** | Bacteriological Peptone, For Microbiology purpose | LP0037 Oxide or equivalent | 0.5 Kg | bioworld usa | 7500/500g | included |
| **4.** | BHI agar, For microbiology, for the growth of fastidious microorganisms, pH: 7.4±0.2 (25 °C) | Cat# 70138-500G, Sigma oxoid or equivalent (Origin should be Europe or USA) | 500 g | bioworld usa | 14500/500g | included |
| **5.** | BHI broth, For microbiology, for growth of fastidious microorganisms, pH: 7.4±0.2 (25 °C) | Cat# CM1135 Oxoid, sigma or equivalent (Origin should be Europe or USA) | 500 g | bioworld usa | 11500/500g | included |
| **7.** | **CHROMagar ESBL For Microbiology purpose** | **ESRT2 ChromAgar or equivalent** | **500g** | **merck** | **135000/500g (two Quotation)** | **included** |
| **12.** | **Fetal Bovine Serum,** certified, heat inactivated, 1 year validity-at least | 16000044 Thermo/Life technologies | 1 x 500 ml | Sigma aldrch | 75000/500ml | included |
| **13.** | **GMEM cell culture media,** With: Low Glucose, GlutaMAX™, Sodium pyruvate, Phenol Red, Without: HEPES, 1 year validity | 10 x 500mL | 500 mL | nil | 14500/500ml | included |
| **14.** | MacConkey agar, For Microbiology purpose | CM0109B Oxide or equivalent | 2 Kg | bioworld usa | 14500/500g | included |
| **15.** | Malt Extract | Sigma, Merck or equivalent | 500 g | Gosler Bioteck | 7500/500g | included |
| **17.** | Murashige & Skoog (MS) Basal Medium with Gamborg vitamin , macro and micro nutrients, and Vitamins as described by Murashige & Skoog (1962): Ammonium Nitrate: 37.21 %, Potassium Nitrate: 42.85 %, EDTA, Disodium Salt, Dihydrate: 0.84 %, Cobalt Chloride, Hexahydrate: 0.0006 %, Cupric Sulfate, Pentahydrate: 0.0006 %, Sodium Molybdate(VI), Dihydrate: 0.006 %, Manganese Sulfate, Monohydrate: 0.38 %, Potassium Iodide: 0.019 %, Boric Acid: 0.14 %. Plant Cell Culture Tested, Storage Temp: 2-6 ºC, pH: 3.5 - 4.5, soluble in water, off-white to yellow powder, odorless. | M524 Roth, sigma or equivalent | 100 L x 3 | Caisson Lab usa | 16500/50L | included |
| **18.** | Penicillin-Streptomycin (5,000 U/mL), 1 year validity-at least | 100 mL | 100 mL | biowest france | 6500/100ml | included |
| **24.** | **RPMI media, •** Phenol Red, Without: HEPES | 11875119 Thermo/Life technologies | 10 x 500 ml | Caisson Lab usa | 5500/500ml | included |
| **27.** | Spectinomycin, Spectinomycin dihydrochloride pentahydrate, Molecular Formula: C14H24N2O7 ·2HCl ·5H2O, Molecular Weight: 495.5, Derived from: Streptomyces sp., Suitable for Plant Tissue Culture | 1618003 Roth, sigma or equivalent (Origin should be Europe or USA) | 25g x 2 | bioworld usa | 34500/25g | included |
| **29.** | Thidiazuron, CAS No. 51707-55-2, 25 mg or 100 mg powder in a glass bottle, suitable for plant cell culture | P6186 Roth, sigma or equivalent (Origin should be Europe or USA) | 100 mg | bioworld usa | 12000/100mg | included |
| **30.** | Triple Sugar Iron Agar, For Microbiology purpose | CM0277 Oxide or equivalent | 0.5 Kg | bioworld usa | 12500/500g | included |
| **33.** | Tryptone Soya broth, For Microbiology purpose | CM0129T, Oxide or equivalent | 5 Kg | bioworld usa | 8500/500g | included |
| **List- C** | | | | | | |
| **15.** | dNTP Set (100 mM) Invitrogen™ For Molecular Biology purpose Nuclease-free aqueous solution of dATP, dCTP, dGTP and dTTP in separate vials ( 4 x 0.25 mL ); >99% purity; should be stable at pH 7.3-7.5; free of human and E. coli DNA | 10297018 Thermofisher or Equivalent | 10 vials | Geneon Germany | 9500/1-set | Exempted |
| **16.** | Dream Taq Green PCR Master mix (2X) For Molecular Biology purpose Ready-to-use solution containing DreamTaq DNA Polymerase, optimized DreamTaq Green buffer, MgCl2, and dNTPs for amplification of DNA | PCR-303L Jena, Thermo/NEB/ABM CANADA OR Equivalent |  | Avlonal usa | 18500/500rxn | Exempted |
| **41.** | Lysozyme For molecular biology purpose | 1052810010 Merck or Equivalent |  | bioworld usa | 22000/25g | Exempted |
| **65.** | **Pre-packed HiTrap® Phenyl High Performance columns** | **prepacked phenyl Sepharose® based columns for high-resolution hydrophobic interaction chromatography (HIC). 1 mL columns.** | **5 columns** | **Cytiva** | **137500/1-ml x 5 (Single Quotation)** | **included** |
| **66.** | **Pre-packed HiTrap® Q High Performance column** | **Q Sepharose® based strong anion exchange columns (1 mL).** | **1 column** | **Cytiva** | **95500/1-ml x 5 (Single Quotation)** | **included** |
| **67.** | **Pre-packed MBPTrap™ HP column** | **Columns for purification of proteins fused to maltose-binding protein (MBP). 5 mL column.** | **1 column** | **Cytiva** | **255000/5ml**  **(two Quotation)** | **included** |
| **71.** | Propidium Iodide | Thermofisher or Equivalent |  | biosynth uk | 25000/50mg | included |
| **73.** | Proteinase K (PCR Grade) | 3115836001 Merck or Equivalent | 100 mg | bioworld usa | 5800/100mg | included |
| **List D** | | | | | | |
| **11.** | **50-Well Disposable Plug Molds, Molecular Biology Grade** | **1703713 Bio-rad** | **1 Pack** | **Biorad** | **175000/5x50**  **(Single Quotation)** | **included** |
| **16.** | **Amicon® Ultra-15 Centrifugal Filter Unit 10 kDa** | **UFC901008, Merck,Millipore&Sigma** | **8 pack** | **Jiangsu green Union Science instrument** | **85000/pack of 24 (Two Quotation)** | **included** |
| **17.** | **Amicon® Ultra-15 Centrifugal Filter Unit 3 kDa** | **UFC900308 Merck,Millipore&Sigma** | **8 pack** | **Jiangsu green Union Science instrument** | **85000/pack of 25 (Two Quotation)** | **included** |
| **18.** | **Amicon® Ultra-15 Centrifugal Filter Unit 30 kD** | **UFC903008 Merck,Millipore&Sigma** | **8 pack** | **Jiangsu green Union Science instrument** | **85000/pack of 26 (Two Quotation)** | **included** |
| **19.** | **Amicon® Ultra-15 Centrifugal Filter Unit 50 kDa** | **UFC905008 Merck,Millipore&Sigma** | **8 pack** | **Jiangsu green Union Science instrument** | **85000/pack of 27 (Two Quotation)** | **included** |
| **25.** | **Biohazard disposable bags H × W × thickness 305 mm × 203 mm × 0.04 mm** | **HS10320 Sigma** | **500 bags** | **sigma aldrach** | **48000/pack of500** | **included** |
| **26.** | **Biohazard disposal stand, 12.5 cm (5 in.) × 7.5 cm (3 in.) × 20 cm (8 in.)** | **B8401-1EA sigma** | **1** | **sigma aldrach** | **15000/1** | **included** |
| **57.** | **Cuvettes for Electroporation, (gap width 1mm)** | **Polycarbonate, Imbedded aluminum electrodes, sterile, width (Metric) gap 1mm, 90 µL capacity, Fisher(Cat# FB101), Z706078 or BioRad (Cat# 1652089) or equivalent, Fisher, Sigma, BioRad, Gensee Scienitfic or equivalent. (Origin should be from Europe or USA)** | **50/pack** | **Biorad usa** | **85000/pack of-50 (Two Quotation)** | **included** |
| **92.** | **Falcon tubes 50 mL** | **50 mL, Flat top cap, Polypropylene, sterile** | **500 tubes** | **Jetbiofill** | **16000/case of 500** | **included** |
| **93.** | **Falcon tubes, 15ml** | **SPL/ Equivalent** | **Pack of 50** | **Jetbiofill** | **12000/case of 500** | **included** |
| **122.** | **Measuring Cylinder 1000ml** | **Roth Art. No. CX80.1 OR Equivalent** |  | **Pyrex china** | **1600/each** | **included** |
| **123.** | **Measuring Cylinder 100ml** | **Roth Art. No. CX77.1 OR Equivalent** |  | **Pyrex china** | **475/each** | **included** |
| **124.** | **Measuring Cylinder 250ml** | **Roth Art. No. CX78.1 OR Equivalent** |  | **Pyrex china** | **750/each** | **included** |
| **125.** | **Measuring Cylinder 500ml** | **Roth Art. No. CX79.1 OR Equivalent** |  | **Pyrex china** | **900/each** | **included** |
| **126.** | **Measuring Cylinder 50ml** | **Roth Art. No. CX76.1 OR Equivalent** |  | **Pyrex china** | **350/each** | **included** |
| **139.** | **Nalgene™ Rapid-Flow™ Sterile Single Use Vacuum Filter Units** | **567-0020 Thermo** | **1 case of 12** | **nestbiotech** | **80000/case of 12 (Two Quotation)** | **included** |
| **176.** | **Rupture discs (600 psi, 900 psi, 1100 psi, 1350 psi); should burst at the given psi only; for use with the PDS-1000/He biolistic systems; preferred pack size: 100 per pack** | **1652328, Roth, sigma or equivalent (Origin should be Europe or USA)** | **PKT** | **Bio Rad** | **175000/pack of 100 12 (Single Quotation)** | **included** |
| **177.** | Separating funnel, 1000ml |  |  | china | 3000/each | included |
| **178.** | Separating funnel, 100ml |  |  | china | 2500/each | included |
| **179.** | Separating funnel, 250ml |  |  | china | 2600/each | included |
| **180.** | Separating funnel, 500ml |  |  | china | 2800/each | included |
| **181.** | **Separating funnel, 50ml** |  |  | **china** | **2200/each (Two Quotation)** | **included** |

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| **M/s Molecular Products Co., Karachi**  **List A** | | | | | | | |
| **Sr.No.** | Description | Cat.No | Qty | Make/Brand | Unite Price | Status of GST | |
| **117.** | Cell Lysis Reagent | Solution for bacterial cell lysis | 50 mL | TransGen Biotech | 3000/70ml | included | |
| **242.** | RNALater | ThermoScientific or equivalent | 1 | Ecotech Turkey | 52,000 | included | |
| **284.** | Trizole | 100 ml | 100 ml | TransGen Biotech | 32600/100ml | included | |
| **List (B)** | | | | | | | |
| **10** | DMEM cell culture media With: Low Glucose, GlutaMAX™, Sodium pyruvate, Phenol Red, Without: HEPES, 1 year validity | 10567022 Thermo/Life technologies | 500 ml | Ecotech Turkey | 3500/500ml | | included |
| **33.** | Genomic DNA purification kit | For purification of high quality genomic DNA from a variety of samples such as mammalian cells, tissues, blood, bacteria and yeast. |  | TransGen Biotech | 27500/500rxn | | exempted |
| **35.** | KOD Hot start DNA polymerase, High fidelity DNA polymerase designed for accurate PCR, amplification of long strand and GC- rich DNA templates for cloning, 1x1000U | Cat# 71086-4, Thermo scientific Merck Millipore. (Origin should be Europe or USA) |  | Promega Corporation USA | 38700/100rxn of 50ul | | exempted |
| **57.** | pENTR/D-TOPO cloning Kit (20 reactions/kit) | K240020 Invitrogen or Equivalent |  | TransGen Biotech | 35900/250units | | exempted |
| **81.** | RevertAid RT Reverse Transcription Kit | 500 rnx |  | TransGen Biotech | 23500/10000units | | exempted |
| **92.** | TA Cloning Kit for direct one-step cloning of PCR products with 3’-dA overhangs provided with linearized cloning pTZ57R/T; >80% efficiency; should complete reaction within 30 min; in 20 or 40 reaction pack size | K202020, Roth, sigma or equivalent (Origin should be Europe or USA) |  | TransGen Biotech | 44000/20rxn | | exempted |

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| **M/s Molecular Biology Products, KARACHI**  **List-C** | | | | | | |
| **Sr.No.** | Description | Cat.No | Qty | Make/Brand | Unite Price | Status of GST |
| **39.** | Lipofectamine 3000 transfection kit |  | 1.5 mL | ABM Good Canada | 95000/1ml | exempted |
| **77.** | qScript XLT 1-Step RT-qPCR ToughMix | 95134-02k MP-Bio | 2000 rnx | Quantabio usa | 485000/20ml | exempted |
| **78.** | **Random Hexamer Primers** | **Thermofisher or Equivalent** | **0.1 ml** | **ABM Good Canada** | **38000/500ul**  **(Two Quotations)** | **exempted** |
| **82.** | **RiboLock™ RNase Inhibitor** | **EO0381 Fermentas-Thermo** | **2 x2500U** | **ABM Good Canada** | **47000/4000u (Two Quotations)** | **exempted** |
| **94.** | Taq DNA polymerase (5 U/µl); molecular biology grade; thermostable; recombinant enzyme that synthesizes DNA from single-stranded templates in the presence of dNTPs and a primer. Creates ‘A’ overhangs in PCR products; suitable for sequencing PCR products up to 5 kb in size, with 2.5 mL 10x PCR buffer (200 mM Tris-HCl pH 8.4, 500 mM KCl), 1 mL magnesium chloride (50 mM) | Thermofisher or Equivalent | 200 RXN | ABM Good Canada | 25000/200rxn | exempted |
| **List-D** | | | | | | |
| **13.** | **96-Well Fluorescence Microplates (White), polystyrene, 96 well plates, sterile, flat bottom** | **Perkin Elmer, VWR, FisherScientific Corning or equivalent (Origin should be Europe or USA)** | **100 plates** | **MBPinc** | **42480/pack (Two Quotations)** | **included** |
| **140.** | Optical Adhesive Film | 4311971 Thermofisher or Equivalent |  | MBPinc | 18000/pack | included |
| **151.** | Pipette Tips 10-200 µl; 100% polypropylene; low-tention plastic; graduated; autoclave able; nase/Rnase/ATP/Endotoxin Free; non-filtered; suitable for a variety of pipettes; colour blue | CLS4112 Merch coring or Equivalent |  | MBPinc | 2714/pack | included |
| **206.** | Tips box 10 µl ) Polypropylene, stackable and autoclavable | epT.I.P.S.® Box, Eppendorf or Equivalent | 1 Pack | MBPinc | 4484/pack | included |
| **207.** | Tips box 100 µl Polypropylene, stackable and autoclavable | epT.I.P.S.® Box, Eppendorf or Equivalent | 1 Pack | MBPinc | 4484/pack | included |
| **208.** | Tips box 1000 µl Polypropylene, stackable and autoclavable | epT.I.P.S.® Box Eppendorf or Equivalent | 1 Pack | MBPinc | 4484/pack | included |

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| **M/s Musaji Adam And Sons, Faisalabad**  **List A** | | | | | | |
| **Sr.No.** | Description | Cat.No | Qty | Make/Brand | Unite Price | Status of GST |
| **6.** | 2 propanol (isopropanol) anhydrous, 99.5%, | Cat# 278475Sigma Aldrich or | 1L | Deejung,korea | 14,100/4Ltr (two Quotation) | included |
| **70.** | Acetone, Laboratory Reagent, ≥99.5% | Prod. No. 179973, sigma, OR Equivalent | 4L | Local | 13000/2.5L (two Quotation) | included |
| **74.** | Acetonitrile 99.8% HPLC CAS# 75-05-8 |  |  | Daejung, korea | 15400/4-L (two Quotation) | included |
| **93.** | Ammonium sulfate, ≥99.0% | Cat# A4915 Sigma-Aldrich |  | Daejung, korea | 4700/1-kg | included |
| **95.** | Anhydrous sodium sulphate | Anhydrous, Prod. No. 128225, | 1kg | Daejung, korea | 4600/1-kg (single Quotation) | included |
| **127.** | Congo red dye | C6767 Sigma-Aldrich or Equivalent | 25 g | Daejung, korea | 7000/25g | included |
| **136.** | Dichloroethane (DCE) Anhydrous, 99.8 % |  |  | Daejung, korea | 9500/2.5L (two Quotation) | included |
| **137.** | Dichloromethane anhydrous 99.8%, CAS # 18996-35-5 |  | 1 L | Daejung, korea | 3100/500g (two Quotation) | included |
| **139.** | Diethyl ether extra dry, Purity 99.5 %, extra dry, Sealed | Reagent grade, ≥98%, contains ≤2% ethanol and ≤10ppm | 1L | Local | 29500/1L (single Quotation) | included |
| **144.** | Dimethylsulfoxide 99.5% CAS# 67-68-5 |  |  | Daejung, korea | 12800/1-kg (Two Quotation) | included |
| **153.** | Endotoxin standard (FOR CONJUGATION) | 193783 Lonza or Associates of Caps Cod, Inc. USA or Equivalent |  | Lonza USA | 10100/kg (Two Quotation) | included |
| **157.** | Ethyl acetate HPLC Grade |  |  | Daejung, korea | 23000/4-L (Two Quotation) | included |
| **158.** | Ethylene glycol, anhydrous, 99.8% | Cat# 324558 Sigma-Aldrich |  | Daejung, korea | 5300/1-kg (Two Quotation) | included |
| **181.** | Glycerol, For molecular biology, ≥99%, | Cat# GB0232, BioBasic | 500 mL | Daejung, korea | 6700/1kg (Two Quotation) | included |
| **182.** | Glycine for electrophoresis, ≥99%, | Cat# 3187.2 Roth, Sigma or equivalent. | 500 g | Daejung, korea | 7500/500g | included |
| **184.** | HEPES, PUFFERAN® CELLPURE® ≥99,5 %, For cell culture, tissue culture and biotechnology. DNAse, RNAse and Protease free. | Cat# HN77.4 Roth, Sigma or equivalent. (Origin should be Europe or USA) | 500 g | Daejung, korea | 17000/25g (single Quotation) | included |
| **187.** | Iodine ACS Grade | 207772-100G Merck or Equivalent | 500 g | Daejung, korea | 29000/500g (Two Quotation) | included |
| **199.** | Methanol HPLC Grade | Merck or Equivalent |  | Daejung, korea | 6000/4-L (Two Quotation) | included |
| **201.** | Methanol; ExtraPure, >99% pure; ACS grade; suitable for a broad spectrum of classical lab applications | 34860 Roth, sigma or equivalent. |  | Daejung, korea | 6000/4L (Two Quotation) | included |
| **207.** | N,N-Dimethyl acetamide, 99.5%, Extra Dry | AcroSeal, Cat. No.AC396350010, Fisher scientific, **OR** Equivalent | 1L | Daejung, korea | 9000/1L (single Quotation) | included |
| **208.** | N,N-Dimethylformamide, 99.8%, Extra Dry,(max. 0.003% H₂O) | AcroSeal Cat. No. AC326871000 Fisher scientific, **OR** Equivalent SeccoSolv® OR Equivalent | 4L | Daejung, korea | 18100/4L (single Quotation) | included |
| **215.** | Oxalic acid std. soln 0.1 N (0.05M)-S/T CAS#144-62-7 |  | 1 L | Daejung, korea | 6200/L (Two Quotation) | included |
| **240.** | Pyridine dried (max. 0.0075 % H₂O) | SeccoSolv® OR Equivalent | (1L) | Daejung, korea | 16700/L (Two Quotation) | included |
| **253.** | Sodium borohydride (NaBH4), 16940-66-2 |  | 25 gm | Daejung, korea | 7500/25g (Two Quotation) | included |
| **256.** | Sodium citrate anhydrous 99% CAS # 6132-04-3 |  |  | Daejung, korea | 18800/kg (single Quotation) | included |
| **258.** | Sodium dihydrogen phosphate | ACS reagent, ≥98% |  | Daejung, korea | 8600/kg (single Quotation) | included |
| **262.** | Sodium tetraborate,  ≥99.0% purity | 89838 Merck or Equivalent |  | Daejung, korea | 8200/kg (single Quotation) | included |
| **263.** | Sodium thiocyanate, 98% | Cat# S7757, Sigma-Aldrich (Origin should be Europe or USA) |  | Daejung, korea | 7600/500g (Two Quotation) | included |
| **277.** | Triethylamine (Dry) Purity ≥ 99.5 % | (FOR CONJUGATION) Sigma-Aldrich or. |  | Daejung, korea | 13100/2.5L (Two Quotation) | included |
| **287.** | Tween-20 CAS#9005-64-5 |  | 1 L | Daejung, korea | 4600/500g (Two Quotation) | included |
| **295.** | β-Mercaptoethanol, Molecular Biology Grade | 444203-250ML Merck or Equivalent | 250 ml | Daejung, korea | 8200/500ml | included |
| **List B** | | | | | | |
| **9.** | CS supplements for Pseudomonas Agar, For Microbiology purpose | SR0102 Oxide or equivalent | 1 Pack/ 20 vials | Oxoid uk | 35000/10-vial (Single Quotation) | included |
| **Option** | | |  | Oxoid uk | 38000/pack of 10 (Single Quotation) | included |
| **16.** | Mueller-Hinton agar, For Microbiology purpose | CM0337 Oxide or equivalent | 0.5 Kg | Oxoid uk | 22500/500g | included |
| **25.** | RVS Broth, For Microbiology purpose | CM0866 Oxoid or Equivalent | 500 g | Oxoid uk | 21000/500g | included |
| **36.** | XLD Agar, For Microbiology purpose | CM0469 Oxoid or Equivalent | 500 g | oxoid uk | 18900/500g | included |
| **List C** | | | | | | |
| **1.** | Antibiotic sensitivity discs (different antibiotics) | Oxoid or Equivalent |  | oxoid uk | 4750/250 disc (two Quotations) | included |
| **List D** | | | | | | |
| **1.** | 100 µl yellow tips (aerosol barrier filter pipet tips, sterile) 10 boxes per pack | KG5232 Kirgin or equivalent | 10 boxes/pack | Nest China | 3300/1pack of 96 pcs | included |
| **2.** | 1000 µl blue tips, (aerosol barrier filter pipet tips, sterile) 10 box per pack | 1 pack (10 boxes) | 10 boxes/pack | Nest China | 3600/1pack of 96 pcs | included |
| **21.** | Autoclave bags 12 x 36 inches, Pack size: 100/pack | Bio-care | 100 bags | local | 25000/pack of 100 pcs (single Quotation) | included |
| **22.** | Beakers (Borosilicate Glass) 500 mL, 1000 mL, High clarity polypropylene, Crisp blue printed graduations, Ergonomically designed handle, Thumb grip for easy carrying, Use up to 135°C, autoclave able, shatter proof | BR912224, Roth, sigma or equivalent (Origin should be Europe or USA) |  | Germany | 1800/each (single Quotation) | included |
| **37.** | Charcoal Swabs | BD / Oxoid/ Equivalent | Pack of 100 | Medical Wire, UK | 14000/pack of 125 pcs (single Quotation) | included |
| **76.** | Disposable syringes, 5ml (5cc) | Shifa/ Equivalent | Pack of 100 | local | 4800/pak of 100 pcs (Single Quotation) | included |
| **95.** | FLASK PEAR SHAPE, Capacity 25 mL | (Pyrex OR Equivalent) | 2 | Borsil | 1600/each (Single Quotation) | included |
| **96.** | FLASK PEAR SHAPE, Capacity 50 mL | (Pyrex OR Equivalent) | 2 | Borsil | 2000/each (Single Quotation) | included |
| **103.** | Glass Burrette (graduated) 25 mL |  |  | Germany | 5500/each (two Quotation) | included |
| **161.** | **PTFE (Polytetrafluorethylene) Membrane Filters 0.2 µm pore size**, Autoclavable, White Color and Diameter (Metric) 47 mm | Sartorius, Merck Millipore, Cole Parmer or equivalent | 1 Pack | CHM-Spain | 19500/Pack of 100 pcs | included |
| **171.** | Round bottom flasks, 50ml (Standard ground glass joint sleeve 14/23) | Roth Art. No. ACH0.1, OR Equivalent |  | Borsil | 1230/pcs | included |
| **173.** | Round bottom flasks, 250 ml, Standard ground glass joint sleeve (29/32) | Roth Art. No. ACH6.1, OR Equivalent |  | Borsil | 1400/pcs | included |
| **196.** | Suction bottle 100 mL | Roth Art. No. NY65.1 OR Equivalent |  | Kartel, Ataly | 400/each (two Quotations | included |
| **197.** | Suction bottle 250 mL | Roth Art. No. NY66.1 OR Equivalent |  | Kartel, Ataly | 500/each (two Quotations | included |
| **199.** | Super FrostTM Microscope Glass slides, Ground 900 white /1 1.0 mm | Tab ISO 8037 | 72 pieces per pack | China | 900/pack of 50 pcs (Single Quotations | included |

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| **M/S PHILCO, Lahore**  List A | | | | | | |
| **Sr.No.** | Description | Cat.No | Qty | Make/Brand | Unite Price | Status of GST |
| 227. | Phytohemagglutinin (PHA) | Ref # 10576-015 Gibco/ Equivalent | 10ml | Capricorn | 25200/10ml | included |
| List B | | | | | | |
| 11. | DMEM, powder, low glucose, pyruvate | 31600034 Thermo/Life technologies | 10 x 1L | Capricorn | 12600/10L | included |
| **List C** | | | | | | |
| **10.** | DNA ladder (1 kb) | Range 250 to 10,000 bp | 250 µg | Soil biodyne | 17500/5x50ug | Exempted |
| **38.** | Lambda PFG Ladder, For Molecular Biology purpose | N0341S NEB or Equivalent | 1 Pack | NEB usa | 93500/50gel lanes | Exempted |
| **55.** | PCR master mix Ready-to-use, high fidelity, Amplification up to 6 kb to 20kb from genomic DNA , PCR product 3`-A overhangs, mixed with Taq DNA polymerase (0.05 U/µL), reaction buffer, 4 mM MgCl2, and 0.4 mM of each dNTP Nuclease-free water, Store at -20°C. | K1081 Roth, sigma or equivalent (Origin should be Europe or USA) | 200 rexns | Soil biodyne | 16000/250rxn | Exempted |
| **93.** | Tango Buffer, For Molecular Biology purpose | BY5 Thermofisher or Equivalent Cat # EP0061, EP0282 Roth, sigma, Thermo Scientific  or equivalent (Origin should be Europe or USA) |  | Europe | 13500/5ml **(two Quotation)** | Exempted |
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| **List D** | | | | | | |
| **12.** | 96-Well Fluorescence Microplates (Black), Polystyrene, 96 well plates, sterile, flat bottom | Perkin Elmer, VWR, FisherScientific Corning or equivalent (Origin should be Europe or USA) | 100 plates | SPL korea | 45000/case of 100 (single Quotation) | included |
| **35.** | Cell Spreader, Sterile, Individually Wrapped 500pc/case | Europe/USA | 1 case | SPS korea | 16500/case of 500 | included |
| **84.** | Electric Pipette controller (Rechargeable) | 9511 Sigma or Equivalent |  | TaiqGene Singapur | 53000/each | included |
| **85.** | ELISA plates Polystyrene, 96 well plates, sterile, flat bottom with lid | Cat#15031 or Cat # 25381-054 or Cat No. CLS 3361, Thermo Scientific VWR, Sigma or equivalent | 100 plates | SPL Korea | 35000/case of 100 | included |
| **91.** | Falcon tubes 15 mL | 15 mL, Flat top cap, Polypropylene, sterile | 1000 tubes | CTW | 11750/case of500 | included |
| **97.** | Flat Top Cap Falcon Tubes (15 ml), cell centrifugation applications, Polypropylene, sterile | SKU: 10-9152 Nest Germany, Biologix, USA or equivalent. | 2 packs, 500/pack | CTW | 11750/case of 500 | included |
| **143.** | PCR tube racks Polypropylene, stackable and autoclavable | 407001Nest or Equivalent | 1 Pack | SPL Korea | 6500/case of 10 | included |
| **144.** | PCR tubes, Flat cap, RNase & DNase- free, autoclavable. 0.2 mL tubes. | 60-0082 Biologix-USA, Nova Scotia | 1000 tubes | Kirgen | 4900/bag of 1000 | included |
| **149.** | Pipette Tips 0.5-10 µl; 100% polypropylene; low-retention plastic; autoclave able; Dnase; RNase, ATP, and Endotoxin Free; non-filtered; suitable for a variety of pipettes; preferred packing: bulk pack | CLS4830 Merch coring or Equivalent | 70 PKT | Kirgen | 6500/tray of 960 | included |
| **150.** | Pipette Tips 100-1000 µl; 100% polypropylene; low-retention plastic; graduated; autoclave able; nase/Rnase/ATP/Endotoxin Free; non-filtered; suitable for a variety of pipettes; colour blue | CLS4714 Merch coring or Equivalent | 40 BOX | Kirgen | 7500/tray of 960 | included |
| **187.** | Snap-Together Conical Tube Rack, Use 15 and 50 mL tubes simultaneously | 10753257 Fisher scientific | 20/case | SPL korea | 9000/case (single Quotation) | included |
| **201.** | Syringe filter, 0.45 µm Sterile syringe filter with a 0.45 µm pore size, hydrophilic PVDF membrane |  | 50 filters | Filter Bio | 9800/box of 50 (two Quotation) | included |
| **202.** | Syrings Filters, (0.22 micron) | 331011, Nest Bio Tech | 1 Pack | Filter Bio | 9800/box of 50 (two Quotation) | included |
| **209.** | Tissue culture flask 25cm perforated filter cap Polystyrene Non- pyrogenic DNase/ RNase free | Nest/ Equivalent | Pack of 200 | SPL Korea | 37400/case of 200 (two Quotation) | included |
| **215.** | TUBE RACK FOR MICRO TUBE (Eppendorf) | 613111 Nest Bio Tech | 1 Pack | SPL KOREA | 20000/case of 25 | included |

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| **M/s Worldwide Scientific, LHR**  **List A** | | | | | | | |
| **Sr.No.** | Description | Cat.No | Qty | Make/Brand | | Unite Price | Status of GST |
| **67.** | **Absolute ethanol, Molecular Biology Grade** | **Merck or Equivalent** | **2.5 L** | **Honey well** | | **5664/2.5L (Two Quotation)** | **included** |
| **76.** | **Acrylamide for molecular biology, ≥99% (HPLC), solid, suitable for electrophoresis** | **Cat# A3553,)Sigma or equivalent (Origin should be Europe or USA** | **100 g** | **Roth Germany** | | **11446/100g**  **(Two Quotation)** | **included** |
| **100.** | Biotin ≥99% (HPLC), lyophilized powder | Cat#B4501 Sigma-Aldrich (Origin should be Europe or USA) | 500 mg | Phyto USA | | 11564/1g | included |
| **110.** | BSA, lyophilized powder, ≥96% (agarose gel electrophoresis) | Cat# A2153 Sigma or equivalent. (Origin should be Europe or USA) | 50 g | Thermo Scientific | | 22066/25g | included |
| **133.** | DEPC water | Thermofisher Scientific or Equivalent | 30 ml | Thermo Scientific | | 31506/1L | included |
| **159.** | Fetal bovine serum, F2442-50ML | Ref # 10500-064 Gibco/ Equivalent | 50 ml | Thermo Scientific | | 115050/500ml | included |
| **191.** | Kanamycin sulphate, BioReagent Powder and water soluble Sources; Streptomyces kanamyceticus suitable for cell culture, suitable for plant cell culture, Effective for fast selection of stable eukaryotic cell lines and for multiple organisms | Cat# K1377, Cat#60615 Roth, sigma or equivalent | 1 g | Phyto USA | | 13570/5g | included |
| **224.** | **Phenol/Chloroform/Isoamyl Alcohol, 25:24:1 (v/v), Molecular Biology Grade** | **516726-1SET Merck or Equivalent** | **2 x 400 ml** | **Thermo Scientific** | | **80240/400ml**  **(Single Quotation)** | **included** |
| **249.** | Skimmed milk, blotting grade, powdered, low fat | Cat# T145.2 Roth, Sigma or equivalent. | 500 g | Roth Germany | | 13570/500g | included |
| **285.** | Trypsin blue CAS# 72-57-1 |  | 20 ml | Thermo Scientific | | 11564/100ml | included |
| **288.** | **UltraPure™ Acrylamide** | **15512023 Invitrogen or Equivalent** | **500 g** | **Thermo Scientific** | | **43660/500g**  **(Two Quotations)** | **included** |
| **290.** | **UltraPure™ Tris Buffer (powder format)** | **15504020 Invitrogen or equivalent** | **1 kg** | **Thermo Scientific** | | **30680/1kg (Single Quotation)** | **included** |
| **292.** | **Urea ≥99,5 %, p.a., Bio Science-Grade** | **Cat# 2317.1 Sigma, Roth or equivalent.** | **1Kg** | **Thermo Scientific** | | **17110/1kg (Single Quotation)** | **included** |
| **List B** | | | | | | | |
| **8.** | **CHROMagar Orientation For Microbiology purpose** | **RT412 ChromAgar or equivalent** | **1 Kg** | **Roth Germany** | | **160480/100g (Single Quotation)** | **included** |
| **19.** | **Peptone, Special for microbiology** | **Cat#68971-500g-F Sigma ,oxoid or equivalent. (Origin should be Europe or USA)** | **500 g** | **BioChem-France** | | **11,564/500 g (two Quotation)** | **included** |
| **22.** | RPMI 1640 medium with L- glutamine without sodium bicarbonate, powder form, suitable for cell culture | P code 1003093607 Sigma/ Equivalent |  | Thermo Scientific | | 13570/10L | included |
| **23.** | **RPMI 1640 Medium, powder** | **31800022** Thermo/Life technologies | 10 | Thermo Scientific | | 13570/10L | included |
| **31.** | Trypsin-EDTA (0.25%), phenol red, 2 year validity-at least | 25200114 Thermo/Life technologies | 100 ml | Thermo Scientific | | 8850/100ml | included |
| **32.** | Tryptone, For microbiology | Cat# TG217(G211) Bio Basic or equivalent. (Origin should be Europe or USA) | 500 g | BioChem-France | | 11328/500g | included |
| **34.** | X-gal | Cat # BB0083, Bio Basic INC. Canada | 2 g | Phyto USA | | 28910/1g | included |
| **37.** | Yeast Extract, For Microbiology purpose | LP0021 Oxide or equivalent | 0.5 Kg | BioChem-France | | 12626/500g | included |
| **List C** | | | | | | | |
| **2.** | ApaI - DNase free, 10U/µl, provided with 10X buffers for single and double digests, BSA, Triton, Tween or DTT, One unit of the restriction enzyme should completely digest 1 µg of lambda DNA in one hour (Weiss unit), | ER1411 Roth, sigma or equivalent (Origin should be Europe or USA) | 4000 units | Thermo Scientific | | 19800/3000u | Exempted |
| **3.** | Bcu1 (SpeI) Restriction Enzyme For Molecular Biology purpose | ER1251 - Thermofisher or Equivalent | 1,500 units | Thermo Scientific | | 21500/400u | Exempted |
| **4.** | Coomassie (Bradford) protein assay reagent kit, Molecular Biology Grade | Cat. # 23200 PIERCE or equivalent |  | Thermo Scientific | | 47500/950ml | Exempted |
| **5.** | Custom DNA Oligos (Primers) Synthesized at 50 nmol scale | USA/Europe Canada/Korea |  | Synbio Technologies | | 59/base | Exempted |
| **11.** | DNA ladder 50 bp | 10416014 - Thermofisher or Equivalent |  | Thermo Scientific | | 12800/50ug | Exempted |
| **14.** | DNase I – Rnase free degrades double standard and single-stranded DNA molecules; isolated from a recombinant source; provided with 10x reaction buffer | EN0521/ Thermo Scientific or Equivalent | 5 X 1000 U | Thermo Scientific | | 14800/1000u | Exempted |
| **17.** | ELISA for the detection of antibodies against FMDV serotype A | 1 kit | 480 rnx | Thermo Scientific | | 356000/450samples | Exempted |
| **18.** | ELISA for the detection of antibodies against FMDV serotype Asia1 | 1 kit | 480 rnx | Thermo Scientific | | 394000/450samples | Exempted |
| **19.** | ELISA for the detection of antibodies against FMDV serotype O | 1 kit | 480 rnx | Thermo Scientific | | 394000/440sample | Exempted |
| **20.** | **ELISA for the detection of Foot and Mouth Disease 3ABC non structural protein antibodies (NSP) in serum and plasma from bovine** | **1 kit** | **480 rnx** | **Thermo Scientific** | | **347000/450 samples (Two Quotations)** | **Exempted** |
| **21.** | **Exo-Resistant Random Primer** | **SO181 Thermo Scientific or Equivalent** | **100 µl x 6** | **Thermo Scientific** | | **26500/10ul (Two Quotations)** | **Exempted** |
| **22.** | **FastAP Thermo sensitive Alkaline Phosphatase, High efficiency enzyme with unit activity 1 U/µL.** | **Cat# EF0651 Fermentas-Thermo scientific or equivalent. (Origin should be Europe or USA)** | **1000 units** | **Thermo Scientific** | | **28700/1000u**  **(Two Quotations)** | **Exempted** |
| **28.** | Gene Synthesis up to 200 to 600 bases long at 50 nmol/100nmol scale | USA/Europe Canada/Korea | 1 construct | Synbio Technologies | | 59/600/bases | Exempted |
| **29.** | Gene Synthesis up to 2500 bases long at 50 nmol/ 100nmol scale | USA/Europe Canada/Korea | 1 construct | Synbio Technologies | | 59/2500bases | Exempted |
| **31.** | GeneRuler™ 1kb DNA Ladder | Cat No. SM0311 Fermentas-Thermo | 1x(5x50ug) | Thermo Scientific | | 18500/5x50ug | Exempted |
| **32.** | **GeneRuler™ 50bp DNA Ladder** | **Cat No. SM0373 Fermentas-Thermo** | **2x50ug** | **Thermo Scientific** | | **12800/50ug (Two Quotations)** | **Exempted** |
| **36.** | KpnI (10U/µl) | Cat # ER0521 Fermentas-Thermo | No. 3 | Thermo Scientific | | 21,700/4000 U | Exempted |
| **37.** | Ladder (100 Base pair) | Thermofisher or Equivalent |  | Thermo Scientific | | 11,400/ 50 ug | Exempted |
| **40.** | **Live/Dead Bacterial viability kit** | **Thermofisher or Equivalent** |  | **Thermo Scientific** | | **164,000/each (Single Quotation)** | **Exempted** |
| **44.** | **NBT/BCIP Ready-to-Use Tablets, Pack of 10 or 20 tablets, suitable for Western blot, Southern blot, Northern blot, can be used with nitrocellulose or nylon membrane** | **N2255 Roth, sigma or equivalent (Origin should be Europe or USA)** | **100 mg x 2** | **Thermo Scientific** | | **51,330/ 250 ml (Two Quotations)** | **Exempted** |
| **53.** | Oligonucleotides synthesis service, For Molecular Biology purpose | Thermofisher or Equivalent Eurofins-USA, MP Bio or Equivalent | 1500 bases, 200nM | Synbio Technologies | | 59/each base | Exempted |
| **54.** | PCR clean up Kit, For purification of DNA fragments from 25 bp to 20 kb | K0702, Thermo Scientific | 250 preps | Thermo Scientific | | 43,500/250 preps | Exempted |
| **58.** | **Phenol/Chloroform/Isoamyl Alcohol, 25:24:1 (v/v), Molecular Biology Grade** | **516726-1SET Merck or Equivalent** | **400 ml** | **Thermo Scientific** | | **81,066/400 ml (Single Quotation)** | **Exempted** |
| **60.** | **Pierce™ LAL Chromogenic Endotoxin Quantitation Kit** | **88282 Thermofisher or Equivalent** | **1 Pack** | **Thermo Scientific** | | **145,000/60 rxns (Single Quotation)** | **Exempted** |
| **61.** | Plant DNA extraction kit (mini), silica-based DNA purification in convenient spin column format; yield up to 30 μg of high-quality DNA from <100 mg plant sample; Pack size: up to 250x reaction size | K0791 Roth, sigma or equivalent (Origin should be Europe or USA) | 100 RXN | Thermo Scientific | | 19,700/50 preps | Exempted |
| **62.** | **Plasmid DNA extraction Midiprep using gravity-flow, anion-exchange tips for purification of high quality plasmid DNA; capable to yield up to 100 µg plasmid from 25 – 100 mL bacterial culture.** | **K2791 Roth, sigma or equivalent (Origin should be Europe or USA)** | **100 rxn** | **Thermo Scientific** | | **74,000/96 prep**  **(Single Quotation)** | **Exempted** |
| **68.** | **Pre-packed PD10 desalting columns** | **Disposable gel filtration columns for removal of low molecular weight compounds. Packed with Sephadex G-25.** | **30 columns** | **Thermo Scientific** | | **102,660/5ml**  **(Two Quotations)** | **Exempted** |
| **72.** | **Protease Inhibitor Cocktail Tablets, Ready-to-use, capable to protect proteins in extracts from almost any tissue or cell, including animals, plants, yeast, and bacteria; non-toxic; water soluble.** | **S8830, Roth, sigma or equivalent (Origin should be Europe or USA)** | **20 tablets** | **Thermo Scientific** | | **136,880/ 20tablets**  **(Two Quotations)** | **Exempted** |
| **76.** | **QCL-1000TM Endpoint, Chromogenic LAL Assay** | **50-647U, Lonza or Equivalent** | **1 Pack** | **Thermo Scientific** | | **156,000 /60 reaction (single Quotations)** | **Exempted** |
| **83.** | Ribonuclease (RNAse), (DNase, proteinase-free) RNase required for degradation of RNA. Conc. 10mg/ml, Applications in plasmid and genomic DNA purifications | R6513, Merck or Equivalent | 50 mg | Thermo Scientific | | 12,500 /10mg | Exempted |
| **84.** | **RiboRuler, High Range RNA, Ladder, ready-to-use** | **SM1823 Thermo Scientific** | **3** | **Thermo Scientific** | | **84,500 / 5 x 40 ul (single Quotations)** | **Exempted** |
| **86.** | RNA Purification Kit, For Molecular Biology purpose | AM1925 Thermofisher or Equivalent | 1 Pack | Thermo Scientific | | 45,000/ 50 Perps | Exempted |
| **88.** | Superscript IV Reverse Transcriptase, For Molecular Biology purpose | 18090010 Thermofisher or Equivalent |  | Thermo Scientific | | 39,000/vail | Exempted |
| **89.** | SYBR™ Green PCR Master Mix, For Molecular Biology purpose | 4364346 Thermofisher or Equivalent | 1000 rnx | Thermo Scientific | | 24,900/200 rxns | Exempted |
| **90.** | **SYTO09** | **Thermofisher or Equivalent** |  | **Thermo Scientific** | | **178,000/100 ul**  **(Single Quotation)** | **Exempted** |
| **95.** | Total RNA isolation Kit, column based purification of total RNA from a wide range of cells and plant tissue types, Up to 1,000 µg of purified RNA from a single extraction | AM9775 - Roth, sigma or equivalent (Origin should be Europe or USA) | 100 RXN | Thermo Scientific | | 85,000/10 ml | Exempted |
| **98.** | XbaI Restriction enzyme, For Molecular Biology purpose | ER0681 Thermofisher or Equivalent | 1,500 units | Thermo Scientific | | 12,500/1500 U | Exempted |
| **List-D** | | | | | | | |
| **7.** | 5 ml (Disposable Pipette Stripette tissue culture sterile polystyrene) individually wrapped. Case of 400 | 1 case (1000 pcs/case) | 1000 pcs/case | | Bio Seen | 10,030/case | included |
| **8.** | **5 ml (Disposable Pipette Stripette tissue culture sterile polystyrene) individually wrapped. Case of 400** | **91050 SPL** | **200/case** | | **Nest Scientific** | **10,030/case (two Quotation)** | **included** |
| **20.** | Applied Biosystems™ PCR Tubes & Caps, RNase-free, 0.2 mL (8-strip format) | PTSF-0.2ml MP bio | 1pack (125 strips/pack) | | Nest Scientific | 10502/pack | included |
| **38.** | **Chromatography column without frit. Vol. 430 ml, Internal Dia.: 30 mm, Length: 600 mm** | **Roth Art. No. Y671.1 OR Equivalent** |  | | **Roth Germany** | **68,440/each (Single Quotation)** | **included** |
| **39.** | **Chromatography column without frit. Vol. 125 ml, Internal Dia.: 20 mm, Length: 400 mm** | **Roth Art. No. Y670.1 OR Equivalent** |  | | **Roth Germany** | **58,646/each (Single Quotation)** | **included** |
| **40.** | **Chromatography column without frit. Vol. 1000 ml, Internal Dia.: 40 mm, Length: 800 mm** | **Roth Art. No. TK55.1 OR Equivalent** |  | | **Roth Germany** | **113,870/each (Single Quotation)** | **included** |
| **42.** | **Clamping tongs, Material: stainless steel** | **Roth Art. No. 0065.1 OR Equivalent** |  | | **Roth Germany** | **43,660/each (Single Quotation)** | **included** |
| **47.** | **Condensers with glass connectors Liebig condenser, 160 mm, 14/23** | **Roth Art. No. TK27.1 OR Equivalent** |  | | **Roth Germany** | **56,640/each (Single Quotation)** | **included** |
| **48.** | **Condensers with glass connectors Liebig condenser, 250 mm, 24/29** | **Roth Art. No. TK31.1 OR Equivalent** |  | | **Roth Germany** | **67,260/each (Single Quotation)** | **included** |
| **53.** | **Connectors with screw cap, Made of PTFE, GL 25** | **Roth Art. No. NY37.1, OR Equivalent** |  | | **Roth Germany** | **45,666/2 units (Single Quotation)** | **included** |
| **55.** | **Cryo gloves, Medium size (14 inch)** | **189561 Thermo** | **1 pair** | | **Roth Germany** | **210,040/ pair (Single Quotation)** | **included** |
| **58.** | **Cuvettes for Electroporation (gap width 2mm) Polycarbonate, Imbedded aluminum electrodes, sterile, width (Metric) gap 2mm, ~ 400 µL capacity** | **Cat# FB102) or Cat#Z706086-50EA or Cat# 1652086 or Cat No. 40-101, Fisher, Sigma, BioRad, Gensee Scienitfic or equivalent. (Origin should be from Europe or USA)** | **50/pack** | | **Thermo Scientific** | **92630/pack (Two Quotations)** | **included** |
| **60.** | **Deep Well (96 well Plates (2 ml)** | **503102** | **100/Pack** | | **GEB** | **66080/pack (Single Quotation)** | **included** |
| **64.** | **Dialysis tubing, Cut off size 6000 to 10,000 Da** | **Sigma or Equivalent** |  | | **Roth Germany** | **384680/each (Single Quotation)** | **included** |
| **65.** | **Dialysis Tubing Clips** | **Dialysis clips** | **6 clips** | | **Roth Germany** | **102660/10 packs (Single Quotation)** | **included** |
| **66.** | **Disposable Needles, 25 mm, 0.55 mm** | **Roth Art. No. X132.1, OR Equivalent** |  | | **Roth Germany** | **17346/100 packs (Single Quotation)** | **included** |
| **67.** | **Disposable Needles, 60 mm, 0.60 mm** | **Roth Art. No. C720.1, OR Equivalent** |  | | **Roth Germany** | **19470/100 packs (Single Quotation)** | **included** |
| **68.** | **Disposable Needles, 20 mm, 0.40 mm** | **Roth Art. No. X133.1, OR Equivalent** |  | | **Roth Germany** | **46,610/100 packs (Single Quotation)** | **included** |
| **69.** | **Disposable Pipette Stripette tissue culture sterile polystyrene - individually wrapped. 10 ml, Case of 400** | **91010 SPL** | **1 case, 400 / case** | | **Nest Scientific** | **10,502/200 packs (Two Quotations)** | **included** |
| **71.** | **Disposable Sterile Petri Dishes, Clear plastic Petri dishes with clear lids** | **Cat# AK752001, Aaka Scientific Canada** | **500 plates/ Pack** | | **bioseen** | **16,166/pack** | **included** |
| **72.** | **Disposable syringe Injekt® With Luer fitting, 10 ml, Material: PP, PS, Sterile** | **Roth Art. No. 0058.1 OR Equivalent** | **100/Pkt** | | **Roth Germany** | **30,680/pack (Single Quotation)** | **included** |
| **73.** | **Disposable syringe Injekt® With Luer fitting, 2 ml, Material: PP, PS, Sterile** | **Roth Art. No. 0056.1 OR Equivalent** | **100/Pkt** | | **Roth Germany** | **22,066//pack (Single Quotation)** | **included** |
| **74.** | **Disposable syringe Injekt® With Luer fitting, 5 ml, Material: PP, PS, Sterile** | **Roth Art. No. 0057.1 OR Equivalent** | **100/Pkt** | | **Roth Germany** | **23,010 /pack (Single Quotation)** | **included** |
| **75.** | **Disposable syringe, 1 ml, Material: PP, PS, Sterile** | **Roth Art. No. H999.1 OR Equivalent** | **100/Pkt** | | **Roth Germany** | **30,680 /pack (Single Quotation)** | **included** |
| **86.** | **Empty cartridges for protein isolation FPLC, Material: PP, Filling capacity: 30 ml** | **Roth Art. No. 0862.1 OR Equivalent** | **2/pack** | | **Roth Germany** | **116,466/pack (Single Quotation)** | **included** |
| **88.** | **Evaporating flasks, 1000 ml, Standard ground glass joint sleeve (29/32)** | **Roth Art. No. K266.1, OR Equivalent** |  | | **Roth Germany** | **100,300/each (Single Quotation)** | **included** |
| **89.** | **Evaporating flasks, 2000 ml, Standard ground glass joint sleeve (29/32)** | **Roth Art. No. TH09.1, OR Equivalent** |  | | **Roth Germany** | **113,280/each (Single Quotation)** | **included** |
| **98.** | Flat Top Cap Falcon Tubes, 50 ml), cell centrifugation , sterile, applications, Polypropylene | SKU: 602052, Nest Biotechnology, Biologix, USA or equivalent. | 500 tubes/case | | Bio Seen | 21,004/case | included |
| **111.** | **Heat-resistant gloves up to 500 °C, Five-finger glove** | **Roth Art. No. HE73.1 OR Equivalent** |  | | **Roth Germany** | **68,440/Pair (single Quotation)** | **Included** |
| **112.** | **Joint clamps for conical joints, 14/23** | **Roth Art. No. 1165.1 OR Equivalent** | **12/Pack** | | **Roth Germany** | **66,080/Pack (single Quotation)** | **Included** |
| **113.** | **Joint clamps for conical joints, 24/29** | **Roth Art. No. 1167.1 OR Equivalent** | **12/Pack** | | **Roth Germany** | **68,440/Pack (single Quotation)** | **Included** |
| **114.** | **Joint clamps for conical joints, 29/32** | **Roth Art. No. 1168.1 OR Equivalent** | **12/Pack** | | **Roth Germany** | **75,520/Pack (single Quotation)** | **Included** |
| **115.** | **Joint clamps for conical joints, 34/35** | **Roth Art. No. 1169.1 OR Equivalent** | **12/Pack** | | **Roth Germany** | **75,520/Pack (single Quotation)** | **Included** |
| **128.** | **Metallic injection needles 40 mm, 1.20 mm, stainless steel (rust-free), Fits all syringes with Luer and Luer-Lock fitting. With ground surface.** | **Roth Art. No. 1HE6.1 OR Equivalent** | **12/Pack** | | **Roth Germany** | **28,320/Pack (single Quotation)** | **included** |
| **129.** | **Metallic injection needles 60 mm, 1.00 mm, stainless steel (rust-free), Fits all syringes with Luer and Luer-Lock fitting. With ground surface.** | **Roth Art. No. 1HE5.1 OR Equivalent** | **12/Pack** | | **Roth Germany** | **50,740/Pack (single Quotation)** | **included** |
| **130.** | **MicroAmp™ Optical Adhesive Film** | **4311971 Thermofisher or Equivalent** | **100/Pack** | | **Thermo Scientific** | **145,140/Pack (Two Quotations)** | **included** |
| **132.** | Microcentrifuge tubes 1.5 mL, Flat lids, autoclavable; RNase- and DNase-free | R0278, Roth, sigma or equivalent (Origin should be Europe or USA | 1000 tubes / pkt | | Bio Seen | 3,245 | included |
| **134.** | Micropipette tips | 10-200 µl, RNase & DNase Free. | 1 pack (1000 tips) | | Bio Seen | 1,121 | included |
| **145.** | **Petri Dishes with Clear Lid, Diameter 100x15 mm, Made from medical-grade, gamma sterilized polystyrene, Stackable dish design provides the maximum use of incubator space** | **Cole Parmer, Fisherbrand, Thomas Scientific, Thermo Scientific, Corning or equivalent** | **1 (case of 500)** | | **Bio Seen** | **16,166/case (Two Quotations)** | **included** |
| **147.** | **Pipette blubs, Material: natural rubber, latex., Suitable for Pasteur Pipettes** | **Roth Art. No. 8404.1 OR Equivalent** | **100/ Pack** | | **Roth Germany** | **53,100/Pack (Two Quotations)** | **Included** |
| **152.** | Pipette white Tips (1000 µl) graduated | China | 1000/pck | | Bio Seen | 3,304/pack | Included |
| **153.** | Pipette White Tips 10 µl, RNase & DNase Free. | Cat# 20-0010 Biologix, USA or equivalent. equivalent. | 1000/pck | | Bio Seen | 1,121/pack | Included |
| **154.** | Pipette Yellow Tips (200 µl) graduated | China | 1000/pck | | Bio Seen | 1,121/pack | Included |
| **155.** | PLT,96WELL,FB,WHITE,NT, WO/LID, NS,BK, 25/100 | 31396 SPL Life Sciences. ISO Certified. CE Marked | 100/ Pack | | Nest Scientific | 34,810//pack | Included |
| **170.** | **Roti-nitrocellulose membrane, pore size 0.2 µm, 30 x 400 cm roll.** | **Cat. No. 9302.1, Roth, sigma or equivalent** | **1 roll** | | **Roth Germany** | **312,700/roll (Single Quotation)** | **included** |
| **182.** | Serological pipette 10ml | 91010 SPL/ Equivalent | Pack of 200 | | Nest Scientific | 11,210/pack | included |
| **190.** | **Stand clamp with boss head, Min. span: 12 mm, Max. span: 25 mm** | **Roth Art. No. X083.1 OR Equivalent** |  | | **ROTH-Germany** | **23,246/each (Single Quotation)** | **included** |
| **191.** | **Stand clamp with boss head, Min. span: 20 mm, Max. span: 40 mm** | **Roth Art. No. X084.1 OR Equivalent** |  | | **ROTH-Germany** | **22,066/each (Single Quotation)** | **included** |
| **192.** | **Stand clamp with boss head, Min. span: 38 mm, Max. span: 60 mm** | **Roth Art. No. X086.1 OR Equivalent** |  | | **ROTH-Germany** | **23,010/each (Single Quotation)** | **included** |
| **198.** | **Suction bottle 500 mL** | **Roth Art. No. NY67.1 OR Equivalent** |  | | **ROTH-Germany** | **63,720/each (Single Quotation)** | **included** |
| **210.** | Tissue culture flasks with filtered cap, PS, 25 cm2, TC treated, sterile | 707003 SPL/Thermo or Equivalent | 200/case | | Nest Scientific | 29,500/case | included |
| **211.** | Tissue culture flasks with filtered cap, PS, 75 cm2, TC treated, sterile | 708003 SPL/Thermo | 100/case | | Nest Scientific | 29,500/case | included |
| **212.** | Tissue culture treated 96 well plate (clear, polystyrene plate, flat bottom, case of 50 (individually wrapped), sterile, lid) |  | 1 00/case | | NEST | 34,810/case | included |
| **218.** | **Vacuum receiver curved, 14/23, 14/23** | **Roth Art. No. Y341.1 OR Equivalent** |  | | **ROTH-Germany** | **30,680/each (Single Quotation)** | **included** |
| **219.** | **Vacuum receiver curved, 29/32, 29/32** | **Roth Art. No. Y342.1 OR Equivalent** |  | | **ROTH-Germany** | **33,630/each (Single Quotation)** | **included** |
| **220.** | **Vacuum receiver straight, 14/23, 14/23** | **Roth Art. No. LK62.1 OR Equivalent** |  | | **ROTH-Germany** | **29,146/each (Single Quotation)** | **included** |
| **221.** | **Vacuum receiver straight, 29/32, 29/32** | **Roth Art. No. LK65.1 OR Equivalent** |  | | **ROTH-Germany** | **32,450/each (Single Quotation)** | **included** |