

Revised-Technical Evaluation of Bioengineering Lab Equipments (U-EAS Swat)

Stage -3- Category-1- Version 3

Name of Items	General Specifications	Quantity	S. U. Enterprises	Kamstec International	AURSOFT	R-Wish Private Ltd	Delta Plus	The world wide scientific	SCIENTIFIC TECHNICAL CORPORATION (Pvt.) Ltd.	Rays Technologies	H.A Shah & Sons	Capri Medicals	PHILCO	Meditron Trading Corporation	Metro Scientific Supplies Company	Remarks
Vortex	Speed Range 200 to 3000 rpm Electrical Requirements 100/240 V Voltage 230 V Hertz 50/60 Hz Platform Material Rubber, Plastic Certifications/Compliance cCSAus, CE, Certificate of Analysis (COA), Certificate of Analysis (COA) For Use With (Equipment) Rocker, Rotator, mixer Operating Modes Touch, Continuous Timer Range 1 to 99 min., Continuous	5	Non Responsive	Not quoted	Not quoted	Non Responsive	VORTEX MIXER: Offered model : VMX-S Manufacturer : Bioevokepeak Co., Ltd Country of origin : China	Digital Vortex Mixers Cat# 88882010 M/s Thermo Fisher Scientific	Not quoted	Model ZX3, Velp Made in Italy.	Not quoted	Not quoted	Non Responsive	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Speed range (3000rpm vs 2500rpm) is not according to requirement hence Not Qualified. World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Non Responsive
Microspin	Rotor capacity: 12 × 1.5/2.0 mL vessels, 2 × 8-tube PCR strips Max. speed: 12,100 × g (13,400 rpm) Extremely compact footprint User-friendly digital display for time and speed Metal rotor bowl Separate short-spin key for fast and comfortable centrifugation Optimal ventilation flow reduces heating and protects temperature-sensitive samples Soft-touch lid closure for ergonomic lid locking Automatic lid opening at the end of the run to prevent sample warming and to allow easy access to samples	5	Non Responsive	Not quoted	Not quoted	Non Responsive	Offered model : CFG-16.5B / CFG-MINI 15R Manufacturer : Bioevokepeak Co., Ltd Country of origin : China	mySPIN™ 12 Mini Centrifuge Cat# 75004081 M/s Thermo Fisher Scientific	Micro Prime Centrifuge Model: C1015 Centurion Scientific Ltd Co. UK.	Model Z207M, Hermle Made in Germany.	5452727007 Rotor F-55-16-5-PCR, incl. rotor lid	Non Responsive	Non Responsive	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Capacity not according to our specs (12 × 1.5/2.0 mL vs 6 × 50ml). The tube sizes that meets the specifications are kept in option not in main offer hence Not Qualified. World Wide: Specs are below requirement. Scientific Tech Co.: MicroPrime disqualifies because it does not have pcr strips in rotor. Rays: No ventilation/heat reduction for protecting time-sensitive samples H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Non Responsive
Refrigerated Centrifuge	Max. RCF 21,300 × g Display large, brightly lit LCD Speed 100 – 15,060 rpm Max. capacity 10 × 5.0 mL Rotors available 6 Acceleration time1 15 s Deceleration time1 15 s Timer 10 s to 9:59 h, with continuous run function SOFT brake function yes Noise level < 54 dB(A) Temperature control range -10 °C to +40 °C	14	Non Responsive	Not quoted	Not quoted	Non Responsive	Offered model : CFG-R16.5B Manufacturer : Bioevokepeak Co., Ltd Country of origin : China	MicroCL 21R Microcentrifuge Cat# 75002470 M/s Thermo Fisher Scientific	Model: K2015R CENTURION SCIENTIFIC LTD., UK.	Model Z216MK, Hermle Made in Germany.	5406000313 5495505008 5495508007 5495512004 5495510001 5495500006 5495503005	Non Responsive	Non Responsive	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Capacity, Tube size and temperature control not according to our specification. World Wide: Max speed is below our specs. Scientific Tech Co.: Speed is below our specs. Rays: Speed range not according to our requirement. H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
Micropipettors	Mechanical air-cushion pipette for accurate, easy & ergonomic pipetting of aqueous solutions. Benefit from one of the lowest operating and tip ejection forces on the pipette market, helping to reduce hand and arm strain. Temporarily adjust pipette in seconds for better accuracy when pipetting challenging liquids like ethanol or when pipetting at high altitudes. Return to factory adjustment without calibration. Autoclave the entire pipette or only the lower part according to needs and applications to ensure a proper decontamination. Premium material ensures a high UV and chemical resistance Ranges: 0.1 – 2.5 µL 0.5 – 10 µL 2–20µL	50	Non Responsive	Not quoted	Not quoted	Non Responsive	MICROPIPETTORS Offered model : PIPE- T Single Channel Manufacturer : Bioevokepeak Co., Ltd Country of origin : China	Autoclavable Digital Micro Pipette M/s NICHIRYO	Not quoted	Model P2G, Gilson Made in France. Model P10G, Gilson Made in France. Model P20G, Gilson Made in France. Model P100G, Gilson Made in France. Model P200G, Gilson Made in France. Model P1000G, Gilson Made in France.	3123000012 3123000020 3123000039 3123000047 3123000063 3123000101	Not quoted	Non Responsive	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Qualified. World Wide: Did not meet the minimum specifications. Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Qualified CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Non Responsive

Automatic pipettor for serological pipettors	<p>Amperage 0.2A</p> <p>Battery Type Lithium-Ion</p> <p>Electrical Requirements 100 to 240V 50/60Hz</p> <p>Filter Type 0.45 Micron Standard</p> <p>For Use With (Equipment) All major brands of glass or plastic serological pipets, 1 to 100mL</p> <p>Frequency 50/60 Hz</p> <p>universal charger, table stand, wall-mounted holder, 1mL pipet support, instruction manual and warranty card</p> <p>Recharge Time 3 hours</p> <p>Voltage 100 to 240 V</p> <p>Warranty.</p> <p>Dispensing Speed 8</p> <p>For Use With Graduated and Volumetric Glass Serological Pipette, Graduated and Volumetric Plastic Serological Pipette. Volume (Metric) 1 to 100 mL.</p>	2	Not quoted	Not quoted	Not quoted	Non Responsive	<p>AUTOMATIC MICROPIPETTE / FILLER FOR SEROLOGICAL PIPETTE</p> <p>Offered model : PIPE-LP/PIPE-LM</p> <p>Manufacturer : Bioevepeak Co., Ltd</p> <p>Country of origin : China</p>	<p>S1 Pipet Fillers</p> <p>Cat# 9541</p> <p>M/s Thermo Fisher Scientific</p>	Not quoted	Complete, Model, Macroman, Gilson, Made in France.	4430000018	Not quoted	Non Responsive	Not quoted	Not quoted	<p>S.U Entr: Not quoted</p> <p>Kamstec: Not quoted</p> <p>AURSOFT: Not quoted</p> <p>R-WISH: Non Responsive</p> <p>Delta Plus: Qualified.</p> <p>World Wide: Qualified</p> <p>Scientific Tech Co.: Not quoted</p> <p>Rays: Qualified</p> <p>H.A Shah: Qualified</p> <p>CAPRI: Not quoted</p> <p>PHILCO: Non Responsive</p> <p>Meditron: Not quoted</p> <p>Metro: Not quoted</p>
Waterbath	<p>Capacity (English) 5.0 gal.</p> <p>Controller Type Digital</p> <p>Description 19L Circulating Water Bath</p> <p>Display Monochrome LCD</p> <p>Heating Capacity 1200 w</p> <p>Material 304 Stainless Steel</p> <p>Temperature Presets 4</p> <p>Temperature Stability ±0.1°C</p> <p>Temperature Uniformity±0.05°C</p> <p>Capacity (Metric) 19 L</p> <p>Communications Digital</p> <p>Electrical Requirements Global Voltage 100/115 V 200/230</p> <p>Temperature Range Ambient +5° to 100°C</p>	9	Non Responsive	Not quoted	Not quoted	Non Responsive	<p>WATER BATH (CIRCULATORY)</p> <p>Offered model : WB-2R6H-25</p> <p>Manufacturer : Bioevepeak Co., Ltd</p> <p>Country of origin : China</p>	<p>Precision™ Circulating Water Baths</p> <p>Cat# TSCIR19</p> <p>M/s Thermo Fisher Scientific</p>	Not quoted	Model Alpha A24 Lauda-Germany	Not quoted	Non Responsive	Non Responsive	Non Responsive	Non Responsive	<p>S.U Entr: Non Responsive</p> <p>Kamstec: Not quoted</p> <p>AURSOFT: Not quoted</p> <p>R-WISH: Non Responsive</p> <p>Delta Plus: Temperature uniformity of the offered model is ±1.0°C while requirements are ±0.05°C; Display of Monochrome LCD is not mentioned in the offered specifications</p> <p>Not Qualified.</p> <p>World Wide: Qualified</p> <p>Scientific Tech Co.: Not quoted</p> <p>Rays: does not match Temperature Stability ±0.1°C</p> <p>Temperature Uniformity±0.05°C</p> <p>H.A Shah: Not quoted</p> <p>CAPRI: Non Responsive.</p> <p>PHILCO: Non Responsive</p> <p>Meditron: Non Responsive</p> <p>Metro: Non Responsive</p>
Fridge (small room size)	<p>Cooling method: Direct Cool</p> <p>Color: White Metal</p> <p>Temperature 4° C</p> <p>Gross capacity Ltr: 126</p> <p>Ref Capacity Ltr.: 104</p> <p>Freezer Capacity Ltr.: 22</p> <p>Type: Single Door</p> <p>Voltage Range: 180-240V/50Hz</p> <p>Compressor: Regular</p>	5	Not quoted	Not quoted	Not quoted	Non Responsive	<p>FRIDGE (SMALL ROOM SIZE)</p> <p>Offered model : PR5-100</p> <p>Manufacturer : Bioevepeak Co., Ltd</p> <p>Country of origin : China</p>	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	<p>S.U Entr: Not quoted</p> <p>Kamstec: Not quoted</p> <p>AURSOFT: Not quoted</p> <p>R-WISH: Non Responsive</p> <p>Delta Plus: Qualified.</p> <p>World Wide: Not quoted</p> <p>Scientific Tech Co.: Not quoted</p> <p>Rays: Not quoted</p> <p>H.A Shah: Not quoted</p> <p>CAPRI: Not quoted</p> <p>PHILCO: Not quoted</p> <p>Meditron: Not quoted</p> <p>Metro: Not quoted</p>
Nanodrop	<p>Accuracy (Photometric) 3% (at 0.97 A)</p> <p>Compatibility, DYMO LabelWriter 450 printer, Bluetooth keyboard, mouse and barcode reader</p> <p>Connections, Three USB-A ports and Ethernet enabled</p> <p>Detector Type, 2048-element CMOS linear image sensor</p> <p>Display, 7-inch, 1280 x 800 high-definition color display</p> <p>Operating System, Android™</p> <p>Photometric Accuracy Instrument 3% at 0.97 A, 302 nm</p> <p>(Absorbance expressed at Abs/mm at 25°C)</p> <p>System Requirements Windows™ 8.1 and 10, 64 bit</p> <p>Wavelength Accuracy ±1 nm</p> <p>Wavelength Range 190–850 nm</p> <p>Applications Nucleic Acid A260, A260/A280, A260/A230 and Labeled Nucleic Acids,Protein A280 and A205, Protein Pierce 660, Protein Bradford, Protein BCA,</p>	3	Non Responsive	Not quoted	Not quoted	Non Responsive	<p>NONODROP: NONODROP SPECTROMETER</p> <p>Offered model : SP-MUV1000</p> <p>Manufacturer : Bioevepeak Co., Ltd</p> <p>Country of origin : China</p>	<p>NANODROP™ ONEC UV-VIS Spectrophotometer</p> <p>Model: ND-ONEC</p> <p>M/s Thermo Fisher Scientific</p>	Model: DS-11 + DeNovix Inc., USA.	Not quoted	A51119600DPC	Not quoted	Non Responsive	Not quoted	Not quoted	<p>S.U Entr: Non Responsive</p> <p>Kamstec: Not quoted</p> <p>AURSOFT: Not quoted</p> <p>R-WISH: Non Responsive</p> <p>Delta Plus: The offered item is UV VIS Spectrophotometer rather than nanodrop; No information are given about the Pre-configured methods for DNA, Protein A280, Microarray, Protein and Labels, Pierce 660, Bradford, BCA, and Lowry. DYMO printer, Connection options, Detector, Keyboard, mouse and other accessories missing. Not Qualified.</p> <p>World Wide: Qualified</p> <p>Scientific Tech Co.: Wavelength range is below our specs.</p> <p>Rays: Not quoted</p> <p>H.A Shah: Qualified</p> <p>CAPRI: Not quoted</p> <p>PHILCO: Non Responsive</p> <p>Meditron: Not quoted</p> <p>Metro: Not quoted</p>

Qubit	Sample throughput 1 sample in 3 seconds User interface 5.7 in. color touchscreen Onboard calculators Reagent calculator System check Qubit 4 System Verification Assay Kit Fluorometer mode Yes Programmable open format Yes— Sample data storage 1,000 samples Data export Wi-Fi USB drive Direct to computer via USB or Ethernet cable Light sources Blue LED (peak ~470 nm), Red LED (peak ~635 nm) Excitation filters Blue LED (430–495 nm), Red LED (600–645 nm) Emission filters Green (510–580 nm), Red (665–720 nm)	4	Not quoted	Not quoted	Not quoted	Non Responsive	QUBIT: FLUOROMETER Offered model : Floum-58 Manufacturer : Bioevopeak Co., Ltd Country of origin : China	Qubit™ 4 Quantitation Starter Kit, with WiFi Cat# Q33239 M/s Invitrogen™, Thermo Fisher Scientific	Model: QFX DeNovix Inc., USA.	Not quoted	A51292	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: It is not Qubit but a similar little known technology. Onboard calculators Reagent calculator. so could not meet this and other minimum specifications. Therefore, could not pass the technical evaluation stage. "Excitation Filters" does not cover the required range, which are one of the main requirement of the designed experiments. Not Qualified. World Wide: Qualified Scientific Tech Co.: Specification are below requirement. Onboard calculators Reagent calculator. so could not meet this and other minimum specifications. Therefore, could not pass the technical evaluation stage. Rays: Not quoted H.A Shah: Qualified CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
Real time - PCR	Sample capacity (wells) 96 Reaction volume 0.2mL block: 10–100 µL 96-well:0.2 mL block: 10–100 µL Excitation source Bright white LED Optical detection 96 wells: 6 decoupled filters Excitation/detection range 96 wells: 450–680 nm/500–730 nm Multiplexing 96-well: up to 6 targets 2D barcode reading Optional Heating/cooling method Peltier Peltier Temperature zone function 96 wells: 6 VeriFlex zones Max block ramp rate 6.5°C/sec Average sample ramp rate 3.66°C/sec Temperature uniformity 0.4°C Temperature accuracy 0.25°C Run time <30-minute runs Dye compatibility (name) FAM/SYBR Green, VIC/IOE/HEX/TET, ABY/ NED/TAMRA/Cy3, JUN, ROX/Texas Red, MUSTANG PURPLE.	2	Not quoted	Not quoted	Not quoted	Non Responsive	REAL TIME- PCR Offered model : PCR-Q96-5 Manufacturer : Bioevopeak Co., Ltd Country of origin : China	DTprime Real-Time PCR Model: DTprime 5M1 M/s DNA-Technology	Not quoted	Not quoted	A28569	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: The demanded specifications required 6 channels and the offered are 5 channels, the ramp rate is also lower than the demnded specifications, so could not meet this and other minimum specifications. Therefore, could not pass the technical evaluation stage. Not Qualified. World Wide: The demanded specifications required 6 channels and the offered are 5 channels, so could not meet this and other minimum specifications. Therefore, could not pass the technical evaluation stage. Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Qualified CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
Thermocycler basic	Block format 96-well, 0.2 mL Features • Enabled to run Fast chemistry • Controllable ramp rate • Program overwrite protection • Auto restart (after power outages) • Edit program during experiment • One-touch incubation Max block ramp rate 4°C/sec Max sample ramp rate3°C/sec Temperature accuracy ±0.25°C (35–99.9°C) Temperature range 0–100.0°C Temperature uniformity <0.5°C (30 sec after reaching 95°C) PCR volume range 10–100 µL Instrument memory USB and 2,000 MB onboard memory; onboard capacity >1,000 protocols Display interface 8-inch color TFT LCD Blocks 3 temperature zones, 20°C range (10°C zone-to-zone) Data connectivity Cloud or mobile via Ethernet or WiFi	4	Non Responsive	Not quoted	Not quoted	Non Responsive	THERMO CYCLER BASIC Offered model : PCRTC-S Manufacturer : Bioevopeak Co., Ltd Country of origin : China	MiniAmp™ Plus Thermal Cycler M/s Applied Biosystems Thermo Fisher Scientific	Not quoted	Not quoted	A24811	Non Responsive	Not quoted	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Temperatures not according to the demanded specifications, Demand was of 3 blocks and offered is single block therefore, could not quified the technical evaluation. Not Qualified. World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Not quoted Meditron: Not quoted Metro: Not quoted
DNA Sequencer	Read length Nanopores read the length of DNA or RNA presented to them — from short to ultra-long (longest >4 Mb) Dimensions Compact benchtop device with integrated compute suitable for any lab Size: W 370 mm, H 220 mm, D 365 mm Weight: 11 kg 250 Gb yield* Up to 50 Gb per MiniON Flow Cell / 2.8 Gb per Flongle Flow Cell* * Theoretical max output when system is run for 72 hours (or 16 hours for Flongle) at 420 bases / second. Outputs may vary according to library type, run conditions, etc. Suitable applications Larger genomes or projects Whole transcriptomes (direct RNA or cDNA) Large numbers of samples DNA Sequencer *With accessories and reagents.	1	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted

DNA Sequencer (Mini)	Read length Nanopores read the length of DNA or RNA presented to them — from short to ultra-long (longest >4 Mb) Dimensions Size: W 105 mm, H 23 mm, D 33 mm Weight: 87 g Suitable applications include Whole genomes/exomes Metagenomics Targeted sequencing Whole transcriptome (cDNA) Smaller transcriptomes (direct RNA) Multiplexing for smaller samples High yields Up to 50 Gb per MiniON Flow Cell / 2.8 Gb per Flongle Flow Cell* * Theoretical max output when system is run for 72 hours (or 16 hours)	2	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted		
Shaking Waterbath	Chamber Material 304 Stainless Steel Controller Type Digital Description 27L Shaking Water Bath Display Monochrome LCD Heating Capacity 1500 w Material Epoxy Powder-coated Cold Rolled Steel Temperature Presets 4 Temperature Stability ±0.1°C Temperature Uniformity ±0.05°C Capacity (Metric) 27 L Electrical Requirements Global Voltage 100/115 V 200/230 V 50/60 Hz Temperature Range Ambient +5° to 100°C	1	Non Responsive	Not quoted	Not quoted	Non Responsive	SHAKING WATER BATH Offered model : WB-S30 Manufacturer : Bioevopeak Co., Ltd Country of origin : China	Precision™ Shaking Water Baths Cat# TSSWB27 M/s Thermo Fisher Scientific	Not quoted		Model WNB29, Memmert Made in Germany.		Not quoted	Not quoted	Non Responsive	Non Responsive	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Temperature uniformity is not according to the demanded specifications, therefore, could not pass the evaluation. NOT Qualified. World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Non Responsive Metro: Not quoted
Powersupply	Frequency 50/60 Hz Max. Current 2000 mA Max. Voltage 200 V Timer 0 to 99 hr. 59 min. Current High Current Display Voltage or current No. of Jacks 4 Voltage 230 V Width (English) 10.75 in. Width (Metric) 27 cm	6	Not quoted	Not quoted	Not quoted	Non Responsive	POWER SUPPLY: Electrophoresis power supply Offered model : GEP-PW2C Manufacturer : Bioevopeak Co., Ltd Country of origin : China	EV3xxx Series Maxi Electrophoresis Power Supply Cat# EV3020 M/s Cleaver Scientific	Not quoted		Not quoted		Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Qualified World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
Gel apparatus (mini)	Economical enough for every researcher to have one at their workstation Leak-proof casting that allows a gel to be cast and run in the same chamber with no tape or additional parts required Offers a wide range of combs Two comb slots on gel tray double sample capacity by doubling number of sample wells UVT gel trays are silk screened with a fluorescent ruler for easy measurement of bands Sample Range: 5-34	10	Not quoted	Not quoted	Not quoted	Non Responsive	GEL APARATUS MINI: (Horizontal Electrophoresis Cell) Offered model : GEP-HH-SUB02 Manufacturer : Bioevopeak Co., Ltd Country of origin : China	multiSUB Mini, Mini Horizontal Electrophoresis System Model: MSMINI7 M/s Cleaver Scientific	Not quoted		Not quoted		Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Qualified World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted

Gel apparatus (midi)	Leak-proof casting allows a gel to be cast and run in the same chamber with no tape or additional parts required. Longer gel length and the 2 comb slots provide the flexibility of running 8 to 48 samples on 1 gel Optional rapid load tray can increase the maximum number of samples to 108 in an 8 or 12 multichannel pipette format. 2 comb slots on the U.V. Transmissible (UVT) gel tray double sample capacity by doubling the number of sample wells UVT gel trays are silk screened with a fluorescent ruler for easy measurement of bands Sample Range: 8-48	4	Not quoted	Not quoted	Not quoted	Non Responsive	GEL APARATUS MIDI: (Horizontal Electrophoresis Cell) Offered model : GEP-HH-SUB03 Manufacturer : Bioeopeak Co., Ltd Country of origin : China	multiSUB Choice, Wide Midi HorizontalElectrophoresis System Model: MSCHOICEST20 M/s Cleaver Scientific	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: The vender has gouted combs with 26 teeth max in their original documents and not fulfilling our requirement. Not Qualified. World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
SDS-PAGE (minigel)	Quickly and easily casts and runs 1 or 2 gels in the same device Perfect tool for second dimension protocols of 2-D electrophoresis, SDS and agarose gels, and native PAGE electrophoresis Unique agarose plug method makes casting gel simple and quick. Gel assemblies do not have to be moved once set-up. Two individual steps of casting and running in different devices are now combined. Simply secure the glass cassettes, pour the agarose plug in the specially designed trough, cast polyacrylamide solution in the cassettes, load samples, and run the gel. Manufactured using a time-tested acrylic fabrication technology, providing a durable, long-lasting system Central cooling core provides even cooling across the gel surface for	6	Not quoted	Not quoted	Not quoted	Non Responsive	SDS PAGE (MINI GEL) (Electrophoresis Cell, Vertical Type) Offered model : GEP-VH-SC202 Manufacturer : Bioeopeak Co., Ltd Country of origin : China	omniPAGE Mini Vertical ProteinElectrophoresis System Model: CVS10DSYS M/s Cleaver Scientific	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: The demanded specifications required that runs 2 gels shall be possible in the same device however, the offered model could not meet this and other minimum specifications. Therefore, could not pass the technical evaluation stage. Not Qualified. World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
SDS-PAGE (midigel)	Quickly and easily casts and runs 1 or 2 gels in the same device Perfect tool for second dimension protocols of 2-D electrophoresis, SDS and agarose gels, and native PAGE electrophoresis Unique agarose plug method makes casting gel simple and quick. Gel assemblies do not have to be moved once set-up. Two individual steps of casting and running in different devices are now combined. Simply secure the glass cassettes, pour the agarose plug in the specially designed trough, cast polyacrylamide solution in the cassettes, load samples, and run the gel. Manufactured using a time-tested acrylic fabrication technology, providing a durable, long-lasting system Central cooling core provides even cooling across the gel surface for	4	Not quoted	Not quoted	Not quoted	Non Responsive	SDS PAGE (MIDI GEL) (Electrophoresis Cell, Vertical Type) Offered model : GEP-VH-SC203 Manufacturer : Bioeopeak Co., Ltd Country of origin : China	omniPAGE WAVE Maxi Vertical GelElectrophoresis System Cat# VS20WAVESYS M/s Cleaver Scientific	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: The demanded specifications required that runs 2 gels shall be possible in the same device however, the offered model could not meet this and other minimum specifications. Therefore, could not pass the technical evaluation stage. Not Qualified. World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
Electroblotting	Efficient—high transfer efficiency with a broad range of protein sizes compared to conventional semi-dry or wet (tank) transfer methods • Fast—5 to 12 minute transfer when used with Blotter Select Transfer Stacks or Power Blotter 1-Step Transfer Buffer • Integrated power supply—seamless operation between control unit and cassette; no need for external power supply • Easy-touch programming—convenient pre-programmed transfer methods or create, save, and run customized transfer methods • Flexible—simultaneous transfer of 1 to 2 mini-size or 1 midi-size gel using the Blotter Cassette • Versatile—compatible with blotter Select Transfer Stacks and Pierce 1-Step Transfer Buffer for rapid blotting programs or Towbin transfer buffer for conventional semi-dry transfer methods	6	Not quoted	Not quoted	Not quoted	Non Responsive	ELECTROBLOTTING: OR (Transfer system) Offered model : GEP-TH-1000TBT Manufacturer : Bioeopeak Co., Ltd Country of origin : China	Power Blotter System Cat# PB0012 M/s Invitrogen, Thermo Fisher Scientific	Not quoted	Not quoted	PB0112	Non Responsive	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec:Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Qualified. World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted

UV-transilluminator + spare tubes	Dual LED Blue/White Light Transilluminator features include: • White and blue light sources that allow for visualization of common nucleic acid stains, colorimetric protein and membrane stains, and SYPRO protein stains • Magnetic filter screen with hinge-free design for simplicity and safety, allowing observation and gel cutting without protective goggles • Five-minute automatic power-off and long-lasting LEDs that are safer for the eyes and skin compared with UV bulb illumination • Three-level adjustable light intensity to achieve the best observational or imaging quality • Compact design for ease of mobility and storage	4	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Dual LED Blue/White Light Transilluminator Cat# LB0100 M/s Thermo Fisher Scientific	Not quoted	Not quoted	LB-0100	Non Responsive	Not quoted	Not quoted	Not quoted	S.U Entr: Non Responsive Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Not quoted Meditron: Not quoted Metro: Not quoted
Gel doc + thermal printer	Camera Detector Cooled 16-bit CCD; Resolution 9.1 megapixels Lens Fixed, 25 mm, f/0.95 Field of view 22.5 x 18.0 cm (W x D) (image up to 4 mini blots or gels System interface Touchscreen 12.1-inch capacitive LCD display; 1,024 x 768 pixels System hardware Sample drawer and stage: Automatic open/close drawer with automatic rotating sample stage Filter sets: • 12 filters (6 excitation, 6 emission) Illumination sources: • Green LED (490-520 nm) transilluminator • Epi white LED • Epi near-IR LED System software Automated features • Automatic zoom • Automatic focus • Automatic exposure (Smart Exposure) • Automatic on-board image analysis	2	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	iBright™ FL1500 Imaging System Cat# A44241 M/s Invitrogen™, Thermo Fisher Scientific	Not quoted	Model GBOX Chemi XRF, Syngene, Made in England.	A44241 iBright™ FL1500 Imaging System	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Non Responsive Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Qualified Scientific Tech Co.: Not quoted Rays: The demanded specifications required that analysis of 4 mini blots or gels shall be possible in the same device however, the offered model could not meet this and other minimum specifications. Therefore, could not pass the technical evaluation stage. H.A Shah: Qualified CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
Precision Balance with 10mg intervals	Precision Balance with no shield, latest LED screen, 1200g capacity, 10mg intervals. Sartorius or equivalent.	5	Non Responsive	Not quoted	Not quoted	Non Responsive	PRECISION BALANCE Offered model : BP-2102 2C Manufacturer : Biovopeak Co., Ltd Country of origin : China	Not quoted	Not quoted	Model BL-2200H, Shimadzu, Japan	Not quoted	Non Responsive	Not quoted	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Qualified World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Non Responsive PHILCO: Not quoted Meditron: Not quoted Metro: Non Responsive
Desktop pH meter	Record accurate and reliable pH, mV, ORP and temperature measurements with the Benchtop pH Meter. This meter is ideal for a wide range of applications and advanced pH analysis in the lab. Perform up to a 5-point pH calibration, log up to 2000 data point sets with time/date stamp and easily transfer calibration and data logs via USB to a printer or computer with free downloadable software. Use the included electrode stand to easily place sensors in samples and simplify storage to minimize breakage. AC Adapter Universal 50-60 Hz, 100-240 VAC power adapter Accuracy (Temperature) ±0.1°C Accuracy (mV) ±0.2 mV or ±0.05% of reading whichever is greater Accuracy (pH) ±0.002 pH Backlight Option Yes, selectable Calibration pH with calibration editing option, relative mV (RmV), ORP and temperature Calibration Points 1 to 5	8	Non Responsive	Not quoted	Not quoted	Non Responsive	DESKTOP PH METER Offered model : BEP-M900-CN Manufacturer : Biovopeak Co., Ltd Country of origin : China	Orion Star™ A211 Benchtop pH Meter Cat# STARA2110 M/s Thermo Fisher Scientific	Not quoted	Model Inolab PH 7110/Set WTW Made in Germany.	Not quoted	Non Responsive	Non Responsive	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Qualified World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Non Responsive

Hot plate/Magnetic Stirrer	Temperature control range: From approx. 4°C above room temperature to 99°C, lowest setting volume +1°C Digital Timer: 1 second to 160 hours Speed Range: 60 to 1400 rpm Speed Stability	6	Non Responsive	Not quoted	Not quoted	Non Responsive	HOT PLATE MAGNETIC STIRRER Offered model : HPS-3804 Manufacturer : Bioevopeak Co., Ltd Country of origin : China	RT2 Basic Hotplate Stirrer Cat# 88880003 M/s Thermo Fisher Scientific	Not quoted	Model ARE Velp, Made in Italy.	Not quoted	Non Responsive	Not quoted	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: The demanded specifications required that aspeed range of 60 to 1400 rpm and the offered model could not meet the minimum speed so this and other minimum specifications were not fulfilled. Therefore, could not pass the technical evaluation stage. Not Qualified. World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Non Responsive
Dry Shaker/Incubator	Capacity large Programming steps / storable programs 15/4 Temperature range Ambient +5 °C to 80 °C External height (with lid/door open) 113.9 cm (47 in) excluding base Timer 0.1 – 99.9 h, continuous Power supply 230 V, 50 Hz Temperature range Ambient +5 °C to 80 °C Audible and visual alarmsyes Temperature uniformity±0.25 °C at 37 °C Available program modes : Constant speed and temperature › Programmable multi-steps › RS-232 communication port Drive mechanism triple-eccentric counterbalanced drive Gassing manifold yes Platform size (cm/in) 76 × 46 cm (30 × 18 in) Slide-out platform yes Speed range 25 – 400 rpm with 2.5 cm orbit; 25 – 300 rpm with 5.1 cm orbit or 2 stacked units; 25 – 250 rpm with 3	7	Non Responsive	Not quoted	Not quoted	Non Responsive	DRY SHAKER / INCUBATOR Offered model : ICB-S80 Manufacturer : Bioevopeak Co., Ltd Country of origin : China	Not quoted	Not quoted	Not quoted	M1282-0002	Non Responsive	Non Responsive	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Temperature uniformity is not according to the demanded specifications, therefore, could not pass the technical evaluation stage. Not Qualified. World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
Sonicator with standard probes, a four horn one and a cup horn for 1.5, 15 and 50 ml tubes.	Powerful ultrasonic processor featuring programmable operation and a digital display of operating parameters. Popular applications include nanoparticle dispersion, creating emulsions, cell lysis and homogenization; Power Rating: 500 watts ; Frequency: 20KHz ; Timer:10 hours ; Adjustable Pulse On/Off: 1 second to 1 minute Programmable Set time and amplitude for hands free operation Pulse mode Prevent heat buildup in temperature sensitive samples Digital amplitude / intensity control Output intensity can be set from 20-100% Elapsed time indicator Displays duration of sonication Display of wattage and joules	5	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Model VCX 500, Sonics, Made in USA	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
Centrifuge (Preparative) + rotors	Max. rotor capacity: 48 × 1.5/2.0 mL, 6 × 50 mL, 2 ×MTP Max. speed: 30,130 × g (17,500 rpm) Temperature control range -11 °C to 40 °C Remarkable versatility with 12 different rotors Soft-touch one-finger lid closure for ergonomic operation Menu-driven, multi lingual operation menu (English, German, French, Spanish) with large backlit display 5 program keys for easy access to routine programs Saves up to 50 user-defined programs Automatic rotor recognition and imbalance detection for maximized operational safety QuickLock System for quickly opening and closing the rotor lid	5	Non Responsive	Not quoted	Not quoted	Non Responsive	CENTRIFUGE (PREPARATIVE) + ROTORS: Offered model : CFGR-23J Manufacturer : Bioevopeak Co., Ltd Country of origin : China	SL1 Plus Centrifuge Series Cat# 75009630 M/s Thermo Fisher Scientific	Model: K241R Centurion Scientific Ltd Co. UK.	Model Z327K, Hermle Made in Germany	5428000619 Centrifuge 5430R (refrigerated),	Non Responsive	Not quoted	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: The required specs are quoted in optional and its also confusing whether the speed is 23000 or 13000 (as mentioned in the original documents submitted). The offered model tubes capcity as well as temperature requirements does not match with the demanded specifications. Saving User programs is below specs. Not Qualified. World Wide: The offered model does not meet the speed requirements therefore, could not pass the technical evaluation stage. Scientific Tech Co.: The offered model does not meet the Speed and RCF requirements, therefore, could not pass the technical evaluation stage. Rays: The offered model rotor capacity is below that of the demanded specifications, therefore, could not pass the technical evaluation stage. H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Not quoted Meditron: Not quoted Metro: Not quoted

Centrifuge (swing bucket)	Max. RCF 20,913 × g Max. RCF with fixed-angle rotor 20913 × g Max. RCF with swing-bucket rotor 4500 × g Max. RCF with plate rotor 2250 × g Display large, brightly lit LCD Speed 200 – 14,000 rpm (10 rpm steps) Max. capacity 4 × 250 mL/ 2 × 5 MTP Rotors available 12(optional) Volume range 1,000 mL Noise level < 62 dB(A) Refrigerated: -11 – 40C	1	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Model: K241R BRK1000 Shown with Buckets: B5250 b. Rotor: BRK5540	Model Z366K Hermle Made In Germany.	5811000622 Centrifuge 5810 R (refrigerated)	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Speed is not as per our requirement (Speed 200 – 14,000 rpm (10 rpm steps)) Rays: Max. Does not have RCF with swing-bucket rotor 4500 × g Max. RCF with plate rotor 2250 × gThe specs provided does not fulfill our basic need hence could not pass the technical evaluation stage. H.A Shah: Qualified CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
Orbital shakers	Capacity large Programming steps / storable programs 15/4 Temperature range Ambient +5 °C to 80 °C External height (with lid/door open) 113.9 cm (47 in) excluding base Timer 0.1 – 99.9 h, continuous Power supply 230 V, 50 Hz Temperature range Ambient +5 °C to 80 °C Audible and visual alarmsyes Temperature uniformity±0.25 °C at 37 °C Available program modes / Constant speed and temperature › Programmable multi-steps Drive mechanism triple-eccentric counterbalanced drive Gassing manifold yes Platform size (cm/in) 76 × 46 cm (30 × 18 in) Slide-out platform yes Speed range 25 – 400 rpm with 2.5 cm orbit; 25 – 300 rpm with 5.1 cm orbit or 2 stacked units; 25 – 250 rpm with 3 stacked units	1	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Model I3000 Irmeco, Germany.	M1282-0002	Non Responsive	Non Responsive	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Temperature range is not according to the specs, therefore, could not pass the technical evaluation stage. H.A Shah: Wrong item quoted. CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
Orbital Shaker/Rocker	Rocking Angle 1° to 15° Speed Control Accuracy ±1 rpm (≤ 50 rpm), ±2 rpm (>50 rpm) Speed Range 1 to 70 rpm Electrical Requirements 100/240 V Voltage 230 V Hertz 50/60 Hz Amperage 0.1 A Load Bearing Capacity (English) 9.92 lb. Load Bearing Capacity (Metric) 4.5 kg Temperature Control Digital Platform Material Stainless Steel Controller Type LED Model Digital Rocker Plug Type EU, UK, CN Plug Type Digital Rocker Display LED Humidity Range 20 to 85% Includes Dimpled Rubber Mat tray x 1, Rubber strip x 6, User Manual x 1, EU plug x 1, UK plug x 1, CHN plug x 1 Platform Style Tray	1	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Digital Rockers Cat# 88882002 M/s Thermo Fisher Scientific	Model DUOMAX 1030, Heidolph Made in Germany.	M1282-0002	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Qualified Scientific Tech Co.: Not quoted Rays: The offered model does not meet the speed range requirements, therefore, could not pass the technical evaluation stage. H.A Shah: Wrong item quoted. CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
Microwave Oven	Operates just as a domestic microwave oven using time and power level of 1000W power. Outer dimensions = 20 ½" W x 12 1/8" H x 16" D, Cavity dimensions = 13 7/8" W x 8 1/8" H x 14 5/8" D	1	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Not quoted Meditron: Not quoted Metro: Not quoted

Refrigerator (4C only; pharma)	Pharmacy Refrigerator, Glass door, with lock and key, Upright, Climate Class: N, Cooling Type: Forced air cooling, Defrost Mode: Auto, Refrigerant: CFC-Free, Noise Lever (dB): 43 or better, Temperature Range (): 2~8, Capacity(L/Cu.Ft)390/12.7; Controller: Microprocessor, Display: LED, Power Supply(V/Hz): 220-240/50,208-230/60	2	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Model LPR-400-PE PHCBI (New Name of Panasonic) Japan	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Not quoted Meditron: Not quoted Metro: Not quoted
Light microscope	Description Infinity-corrected optical system; RMS-threaded objectives with 45 mm parfocal distance Illumination Adjustable-intensity LED (>50,000-hour life per light cube) Contrast methods Transmitted light (bright field and phase contrast) Objectives 4x, 10x, 20x, 40x, plan LWD, infinity; Optional 2x (no phase) Objective turret 4-position, manual control Condenser 3-position turret for bright field and phase contrast Condenser working distance 60 mm Stages Fixed stage (AMEX1000); Optional mechanical stage (AMEX4712) • X-Y axis controls and vessel holder framework • 120 mm x 78 mm range of motion • Both knobs 56 mm/rev Focus mechanism Coaxial focus knobs with tension control: • Coarse focus: 38 mm/rev	15	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Phase Contrast Microscope Model: LX400 Part No: 9126006 Labomed America Inc. USA.	Model: CX23LED Trinocular Microscope Olympus	EVOS XL CORE, FIXED STAGE EACH (AMEX1000)	Non Responsive	Not quoted	Not quoted	Non Responsive	S.U Entr: Not quoted Kamstec:Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: No precision increments - Coarse focus: 38 mm/rev, Fine focus: 0.2 mm/rev, Precision focus 0.002 mm. we required fixed microscope with Condenser 3-position turret for bright field and phase contrast. The quoted item is only phase contrast and could not pass the technical evaluation stage. Rays: Qualified H.A Shah: No precision increments - Coarse focus: 38 mm/rev, Fine focus: 0.2 mm/rev, Precision focus 0.002 mm CAPRI: Non Responsive. PHILCO: Not quoted Meditron: Not quoted Metro: Non Responsive
Computers	M1 Pro with 10-core CPU, 14-core GPU, 16-core Neural Engine 16GB unified memory 512GB SSD storage 96W USB-C Power Adapter 14-inch Liquid Retina XDR display Three Thunderbolt 4 ports, HDMI port, SDXC card slot, MagSafe 3 port Backlit Magic Keyboard with Touch ID – US	1	Not quoted	Not quoted	MacBook Pro 14-inch M1 Pro	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Qualified R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Not quoted Meditron: Not quoted Metro: Not quoted
Computers	Processors: 11th Generation Intel Core i7 Processor Speed: Upto 3.8 GHz, Core count 4, Thread count 8, Cache 8 MB (15W), Operating System: Microsoft Genuine Windows 10 Or higher, Internet Security: Kaspersky Internet Security, Graphics: Intel Iris Plus Graphics, Display: 13.3" FHD (1920 x 1080) Slots: Two SODIMM slots, Memory: 8 GB DDR4, Storage: 512 GB SSD, Warranty: One Year.	9	Not quoted	Not quoted	HP ENVY x360 Convertible 13m-bd1033dx	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Qualified R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Not quoted Meditron: Not quoted Metro: Not quoted
HPLC with columns, resins, perstaltic pump and gradient maker	Auto sampler Injection range 0.1 – 100 µL in 0.1 µL increments with 100 µL up to 60/80 Mpa Injection precision <0.25 % RSD of peak areas from 5 µL to 100 µL Pressure range 0 – 75 Mpa or better Sample viscosity range 0.2 – 5.0 cP Carryover <0.004 % (40 ppm) with needle wash Injection cycle time 18 s for draw speed 200 µL/min.Ejection speed: 200 µL/min.Injection volume: 1 µL Sample Thermostat 4 – 40 °C Sample Capacity 96/132 vials 2 ml Pump Hydraulic system Dual pistons in series pump with servo-controlled variable stroke design and smooth motion control for active damping Pump resolution step size 300 pL Flow range Settable: 0.001 – 5 mL/min Flow precision ≤ 0.07 % RSD or 0.01 min SD	1	Non Responsive	ARC HPLC with Accessories	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	G7104C	Not quoted	Not quoted	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Columns, pressure range, Hydraulic system Dual pistons in series pump are not according to our requirement. (Not Qualified) AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Qualified CAPRI: Not quoted PHILCO: Not quoted Meditron: Not quoted Metro: Not quoted

Autoclave	*Volume Liters : min 20 *Max. press. : 3 bar, 0.18mPa *Max. Temp." C :140 *Chamber :Steel enameled *Cover :Stainless steel *Outer dim.T x B x H mm : 360 x 390 x 530 *Inner dim. D x H mm : 260x 400 One touch Lid Lock, Interlock system.	3	Non Responsive	Not quoted	Not quoted	Non Responsive	AUTOCLAVE (CLASS B) Offered model : STB-B232 Manufacturer : Bioevopeak Co., Ltd Country of origin : China	Not quoted	Not quoted	Model HG-50, Hirayama Manufacturing Made in Japan.	Not quoted	Non Responsive	Not quoted	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Temperature is below specification. Not Qualified. World Wide: Not quoted Scintific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Temperature and Pressure are below our specs. Non Responsive PHILCO: Not quoted Meditron: Not quoted Metro: Non Responsive
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