



TENDER DOCUMENT

**SUPPLY, DELIVERY AND INSTALLATION OF VARIOUS
LABORATORY EQUIPMENT FOR AMREF INTERNATIONAL
UNIVERSITY, NORTHLANDS CAMPUS.**

TENDER NO./AMIU/19/03/2025/002

AMREF HEALTH AFRICA IN KENYA

LOT NUMBER TWO (2)

Table of Contents

PART A: TECHNICAL REQUIREMENTS	2
SECTION 1: Invitation to Tender.....	2
SECTION 2: Instructions to Tenderers.....	4
2.1 Eligible Tenderers.....	4
2.2 Cost of tendering.....	4
2.3 Specific Instructions.....	4
2.4 Amendment of documents.....	4
2.5 Tender Prices and Currencies.....	5
2.6 Validity of Tenders.....	5
2.7 Sealing and Marking of Tenders.....	5
2.8 Deadline for Submission of Tenders.....	5
2.9 Modification of Tenders.....	5
2.10 Withdrawals of Tender.....	5
2.11 Opening of Tenders.....	6
2.12 Clarification of Tenders.....	6
2.13 Evaluation and Comparison of Tenders.....	6
2.14 Notification of Award.....	6
2.15 Appeal Period.....	6
2.16 Contacting Amref Health Africa.....	6
2.17 Leadtime and Delivery Details.....	7
SECTION 3: Eligibility Requirements and Technical Specifications.....	8
a) Preliminary Evaluation Criteria.....	8
b) Technical Evaluation Criteria.....	9
SECTION 4: Confidential Business Questionnaire.....	25
SECTION 5: Tender Security Form.....	26
SECTION 6: Manufacturers' Authorization Form.....	27
SECTION 7: References.....	28
SECTION 8: Delivery Schedule of Goods.....	29
PART B: FINANCIAL REQUIREMENTS	41
SECTION 1: Price Schedule.....	41
SECTION 2: Delivery Leadtime.....	41
DECLARATION	42
DELIVERY COMMITMENT FORM	43
ANNEX 1: STAGES OF TENDER	44

PART A: TECHNICAL REQUIREMENTS

SECTION 1: Invitation to Tender

1. Amref Health Africa invites sealed bids from eligible candidates for the supply, delivery and installation of various laboratory equipment as per the lots listed below;

Lot	Description	Qty	UOM	Delivery Location
1	Supply, delivery and installation of laboratory apparatus.	LOT	1	Amref International University, Northlands Campus
2	Supply, delivery and installation of laboratory equipment.	LOT	1	Amref International University, Northlands Campus
3	Supply, delivery and installation of physiotherapy laboratory equipment.	LOT	1	Amref International University, Northlands Campus
4	Supply, delivery and installation of nursing simulations and skills laboratory equipment.	LOT	1	Amref International University, Northlands Campus

2. **This tender document is only for Lot Number Two (2).**
3. Interested eligible bidders may obtain further information from the Amref Health Africa website www.amref.org and the Amref International University website www.amref.ac.ke
4. Complete sets of tender documents can be downloaded from Amref Health Africa website; <http://amref.org/tenders/> or the Amref International University website <https://amref.ac.ke/tenders/> by interested bidders upon payment of a non-refundable fee of **Ksh.2,000 PER LOT**. The payment should be made through the following Bank account(s): **National Bank of Kenya Account No.: 01020058330100, Wilson Branch** or through **MPESA Paybill No.: 000557 Account No.: LAB-EQUIPMENT**

Note: Amref Health Africa will not issue eTIMS receipt for payment made.
5. Candidates will then attach a copy of the mobile money receipt or a copy of the banking deposit slip to the tender documents as proof of purchase of the tender document.
6. Completed tender documents for preliminary and technical requirements are to be enclosed in a plain envelope marked with the tender reference number and tender name. **The financial bid MUST be in a separate envelope marked with the tender reference number, tender name, vendor name and vendor contact details. The financial bid will only be opened for those bidders who will have qualified in the technical evaluation. Please note that only one complete tender document per lot is required (Do not provide additional copies per lot).**
7. Tenders must be delivered to the address below not later than **Wednesday 2nd April 2025 at 12.00 noon** and must be accompanied by a tender security of **KES 163,800** in the Currency specified in the tender document in the form of a bank guarantee from a reputable bank and must be delivered with the Tender Documents in the technical bid, **(bid bonds from insurance companies will NOT be accepted)**. The tender security validity period from the

date of closing tender should also be indicated.

8. Interested eligible bidders are also invited to a virtual pre-tender conference to be held on **Friday 21st March 2025** starting at **10:00 AM**.

Register in advance for this meeting through the link below:

<https://amref.zoom.us/meeting/register/bjFnc0UnQAGYs103BmLyLQ>

After registering, you will receive a confirmation email containing information about joining the meeting.

9. Completed Tender Documents are to be enclosed in a plain sealed envelope(s) clearly marked with the tender name and tender reference number and should be addressed to the following address:

**Group Financial Resources Director
Amref Health Africa
P.O. Box 30125-00100,
NAIROBI**

10. Tender Documents should be received on or before **Wednesday 2nd April 2025** at **12 noon** at the **Amref International University - Tender Box** at the **Main Reception** along **Langata Rd Opposite Wilson Airport**. Electronic bidding will not be permitted. Late tenders will be rejected. Tenders will be opened immediately thereafter in the presence of the Tenderers' representatives who choose to attend the tender opening ceremony at Amref International University.
11. Bidders **MUST** submit full names and National ID numbers of Tenderers' representatives who wish to attend the tender opening to Tender.Kenya@amref.org with the subject '**Supply and Delivery of Laboratory Equipment**' by **Wednesday 2nd April 2025** at **10:00 AM**. Representatives will be required to present a National ID for identification. Representatives who would not have submitted their names and National ID numbers in advance will not be allowed to attend the tender opening.
12. Prices quoted should be inclusive of VAT and all other applicable taxes and must be in Kenya Shillings and shall remain valid for 90 days from the closing date of the tender. The prices in your financial quotation should be broken down as follows: (Do not key in your financial quotation in this section)
 - (i) Unit price
 - (ii) 16% VAT
 - (iii) Other applicable taxes
 - (iv) Transport Cost if applicable
 - (v) TOTAL COST

SECTION 2: Instructions to Tenderers

2.1 Eligible Tenderers

- 2.1.1 This Invitation for Tender is open to all eligible bidders.
- 2.1.2 Tenderers shall not be under a declaration of ineligibility for corrupt or fraudulent practices.

2.2 Cost of tendering

- 2.2.1 The tenderer shall bear all costs associated with the preparation and submission of its bid. Amref Health Africa or its agents, will under no circumstance be responsible or liable for those costs regardless of the conduct or outcome of the tendering process.

2.3 Specific Instructions

- 2.3.1 Bidders must quote for all items and quantities as indicated as indicated in the tender document in order to qualify for evaluation.
- 2.3.2 The final bound tender document must be serially paginated (All pages in the document from the top page (immediately after the top cover) to the last page (one before the back cover) including table of contents, separators, brochures, bank deposit slip and any other attachments) in a continuous ascending order from the first page to the last in this format; 1,2,3.....n where n is the last numerical page number.
- 2.3.3 Should the reverse side of any leaf have content, it will also be considered as a page and must also be paginated.
- 2.3.4 Any alterations to the page numbering in the bid document must be clearly countersigned by the bidder. Failure to countersign such modifications shall render the bid non-compliant with the pagination requirement clause 2.3.2.
- 2.3.5 Any secondary attachment to a page (such as bank deposit slips/receipts etc.) should be glued onto that page. Stapling of secondary attachments is not allowed and may render your bid non-responsive.
- 2.3.6 Bids will be evaluated on a lot-by-lot basis
- 2.3.7 The submitted tender document including brochures and any other attachments shall be written in English.
- 2.3.8 Amref effectively checks the validity of the CE certificates (or equivalent documents such as ISO certificates) with issuing authorities and bidders are fully expected to do the same before submission.
- 2.3.9 Bidders shall be required to ensure that all applicable equipment is registered with the Pharmacy and Poisons Board of Kenya upon importation, where such registration is required by law. Equipment not subject to registration under the applicable regulations is exempt from this requirement.

2.4 Amendment of documents

- 2.4.1 At any time prior to the deadline for submission of tenders, Amref Health Africa for any reason, whether at its initiative or in response to a clarification requested by a prospective tenderer, may modify the tender documents by amendments.
- 2.4.2 All prospective candidates who have received the tender documents will be notified of the amendment in writing or by post and will be binding on them.
- 2.4.3 In order to allow prospective tenderers reasonable time in which to take the amendment into

account in preparing their tenders, Amref Health Africa at its discretion may extend the deadline for the submission of tenders.

2.5 Tender Prices and Currencies

2.5.1 The tenderer shall indicate on the appropriate Price Schedule, the unit prices inclusive of all taxes and the total tender price of the items proposed to be purchased under the contract.

2.5.2 Prices quoted by the tenderer shall be fixed during the tender validity period and not subjected to variation on any account. A tender submitted with an adjustable price quotation will be treated as non-responsive and will be rejected.

2.5.3 The price quoted shall be in **Kenya Shillings**.

2.6 Validity of Tenders

2.6.1 Tenders shall remain valid for 90 days after the date of tender opening prescribed by Amref Health Africa, pursuant to paragraph 2.10. Tenders valid for a shorter period shall be rejected by Amref Health Africa as non-responsive.

2.6.2 In exceptional circumstances, Amref Health Africa may solicit the tenderers' consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The tenderer may refuse the request. A tenderer granting the request will not be required nor permitted to modify its tender.

2.7 Sealing and Marking of Tenders

2.7.1 The tenderer shall seal the tender and mark it with the tender reference number and tender name and **“DO NOT OPEN BEFORE 12 NOON on Wednesday 2nd April 2025”**

2.8 Deadline for Submission of Tenders

2.8.1 Tenders must be received by Amref Health Africa at the address specified not later than **12 noon, on Wednesday 2nd April 2025**.

2.9 Modification of Tenders

2.9.1 The tenderer may modify or withdraw its tender after the tender's submission provided that written notice of the modification, including substitution or withdrawal of the tenders, is received by Amref Health Africa prior to the deadline prescribed for submission of tenders.

2.9.2 The tenderer modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of paragraph 2.10:1. A withdrawal notice may be sent by email but followed by a signed confirmation copy, postmarked no later than the deadline for submission of tender

2.9.3 No tenderer may be contacted after the deadline for submission of tenders.

2.10 Withdrawals of Tender

2.10.1 No tender may be withdrawn in the interval between the deadline for submission of tenders and the expiration of the period of tender validity specified by the tenderer.

2.10.2 A bidder who withdraws its tender after the deadline for submission will forfeit its bid security deposit.

2.11 Opening of Tenders

- 2.11.1 Amref Health Africa will open all tenders in the presence of tenderers' representatives who choose to attend the tender opening ceremony at **12 noon, on Wednesday 2nd April 2025** in the location specified in the tender. The tenderers or representatives who are present shall sign a register evidencing their attendance.
- 2.11.2 The tenderers' names, tender modifications or withdrawals, and the presence or absence of requisite tender security and such other details as Amref Health Africa, at its discretion may consider appropriate, will be announced at the opening.
- 2.11.3 Amref Health Africa will prepare a tender opening report.

2.12 Clarification of Tenders

- 2.12.1 To assist in the examination, evaluation and comparison of tenders Amref Health Africa, at its discretion, may ask the tenderer for a clarification of its tender. The request for clarification and the response shall be in writing, and no change in the prices or Substance of the tender shall be sought, offered, or permitted.
- 2.12.2 Any effort by the tenderer to influence Amref Health Africa in the tender evaluation, tender comparison or contract award decisions may result in the rejection of the tenderer's tender.

2.13 Evaluation and Comparison of Tenders

- 2.13.1 Amref Health Africa will examine the tenders to determine whether they are complete, whether any computation errors have been made, whether required securities/tender purchases have been furnished, whether documents have been properly signed and whether the tenders are generally in order. After examination, a tender that will be determined to be substantially non-responsive will be rejected by Amref Health Africa.
- 2.13.2 Amref Health Africa will evaluate and compare the tenders, which have been determined to be substantially responsive.
- 2.13.3 Amref Health Africa will notify bidders who will be required to provide samples in good time with specific sample submission details following the **finalization of the preliminary evaluation**.
- 2.13.4 Amref Health Africa will ensure that the submitted samples are catalogued accordingly and correspond to the assigned bid number(s). The tenderers should ensure that all their samples have been captured correctly.

2.14 Notification of Award

- 2.14.1 Prior to the expiration of the period of tender validity, Amref Health Africa will notify the successful tenderer in writing that the tender has been accepted.
- 2.14.2 Simultaneously the other tenderers shall be notified that their tenders have been unsuccessful.

2.15 Appeal Period

- 2.15.1 Any vendor/service provider who wishes to appeal against the outcome of the tender shall do so in writing within 3 working days of the date of the notification/regret letter. Any letter received after the third day shall not be responded to and shall be treated as null and void. Amref Health Africa shall have dispensed with this procurement.

2.16 Contacting Amref Health Africa

- 2.16.1 No tenderer shall contact Amref Health Africa on any matter relating to its tender, from the time of the tender opening to the time the contract is awarded.

2.16.2 Any effort by a tenderer to influence Amref Health Africa in its decisions on tender evaluation, tender evaluation committee, or contract award will result in the rejection of the tenderer's tender.

2.17 Leadtime and Delivery Details

2.17.1 The supplier should be able to deliver the items they have quoted for as specified in this tender document.

2.17.2 The supplier should include delivery schedule with lead times.

2.17.3 On arrival the supplies should be free from damage. The supplier shall be liable for all losses due to insufficient or unsuitable packing and delivery arrangements, and shall be liable for the cost of returning any unacceptable supplies.

2.17.4 The supplies must be free from objectionable matter and any substances that would represent a hazard to health.

SECTION 3: Eligibility Requirements and Technical Specifications

a) Preliminary Evaluation Criteria

Bids will be evaluated based on the below criteria.

Bids **lacking any of the documents** below will be considered non-responsive and therefore will be eliminated at this stage.

PRELIMINARY EVALUATION OF MANDATORY REQUIREMENTS

No.	Particulars	Marks	Bidders Score	Remarks
1.	Provide a copy of the Certificate of Incorporation/Certificate of Registration.	1 or 0		
2.	Provide a copy of a valid KRA Tax Compliance Certificate.	1 or 0		
3.	Attach mobile money deposit receipt/banking deposit slip as proof of purchase of the tender document. <i>(If applying for more than one LOT, you need to provide specific payment for each LOT).</i>	1 or 0		
4.	Provide a copy of the Valid Business Trading License.	1 or 0		
5.	Submit a current CR12 from the Registrar of Companies <i>(generated not earlier than December 2023)</i> or copies of identification cards for Sole Proprietors/Partnerships.	1 or 0		
6.	Provide tender security from a reputable bank amounting to KES 163,800 <i>(Original Tender security must be attached)</i> valid until Monday, September 29, 2025.	1 or 0		
7.	Provide the Manufacturer's Certificate <i>(if bidding as the manufacturer)</i> or Manufacturer's Authorization Form/Certificate <i>(if not the manufacturer).</i>	1 or 0		
8.	Must submit copies of the most recent 2 sequential audited financial reports (from 2021) and each must be signed and dated by the auditor and the firms' Directors. <i>(Both reports must have an unqualified/ unmodified auditor's opinion).</i>	1 or 0		
Bids missing any of the above mandatory decrements/requirements numbered 1 to 8 will be considered non-responsive and therefore will be eliminated at this stage				

NOTE:

- All the above documents numbered 1 to 8 should be packaged and arranged in that order under the preliminary evaluation criteria section of the tender document.
- The completed tender documents should be bound by tape. Spiral binding is discouraged.

b) Technical Evaluation Criteria

No.	Detailed technical Specifications/Description of requirements	Marks	Score	Remarks
1.	<p>Must provide catalog/brochures/data sheets and manuals detailing the specifications for each of the items below;</p> <ul style="list-style-type: none"> i. Mettler Toledo Precision Balance ii. Double Beam Digital Spectrophotometer iii. Infitek Tablet Hardness Tester iv. Microprocessor Flame Photometer v. Laboratory UV Viewing Chamber vi. One Solvent Filtration Assembly, For Laboratory, vii. Centrifuge 5702 G (EP5702000365) viii. Magnetic Hotplate Stirrer ix. 12L Digital Water Bath x. Precision Balance xi. Digital Lab Rotational Viscosity Meter xii. 20L Lab Incubator Precise Temperature Control 0-65°C, xiii. Digital Colony Counter Display 4-Digit Digital LED display xiv. Electric Overhead Stirrer xv. ONILAB High Speed Homogenizer xvi. Lab Disperser Emulsifier xvii. Hand Operated Tablet Machine xviii. Disintegration Test Unit xix. Tablet Friability Tester LTFT A13 xx. 2 C~8 C/-2 OC~-4 OC Pharmaceutical Refrigerator with Freezer xxi. Portable Audiometer 200 sets/month xxii. Dissection Table Model 600019-EC-60 xxiii. Recirculating Fume Cupboard Hood xxiv. Digital Orbital Shaker xxv. BioTEK Elisa Microplate Washer 16-channels xxvi. Ultra-Low Temperature Freezer xxvii. Microcentrifuge machine xxviii. Full Haemogram Machine: xxix. Fully Automated Clinical Chemistry Analyser xxx. Binocular Microscope xxxi. Digital Vortex Mixer xxxii. Digital Benchtop Centrifuge xxxiii. mySPIN 12 Mini Centrifuge xxxiv. Educational Polypropylene Fume cupboard xxxv. Inverted Microscope xxxvi. Digital Thermostatic Lab Water Bath xxxvii. Electrophoresis Power Pack xxxviii. ELISA Microplate Reader xxxix. Applied Biosystems MiniAmp Thermal Cycler PCR xl. Class II, Type A2 biological safety cabinet xli. Digital Caliper Measuring Tool xlii. Mini Fibre Oscope (Auriscopes) xliii. Portable Turbidity Meter xliv. Portable Laboratory Conductivity Meter xlv. Blood roller mixer 	24 or 0 Marks		

	xlvi. Hand Operated Tablet Machine xlvi. Disintegration Test Unit xlvi. TLC Chromatography (0.5 Mark per catalog/brochure and manual provided for each requested item)			
2.	<u>Mettler Toledo Precision Balance</u> Model: MA203; 3 decimal places 220g capacity, 1 mg readability; large, bright display; internal adjustment; easy levelling; chemical resistance; USB and RS232 connection; passcode protection.	2 or 0 Marks		
3.	<u>Double Beam Digital Spectrophotometer</u> Wave Length Range 190-1100nm; Special Bandwidth 0.5nm UV-VIS Microprocessor with Software 10mm 8 cuvette holder Model AC-315D1105; Photometric Range 0.3 to 3.5 A, 0 to 220 %T; Dimension 630 x 470 x 210 mm; Weight 26kgs (Approx.)	2 or 0 Marks		
4.	<u>Infitek Tablet Hardness Tester</u> THDT-3; Hardness test range: 2-200N 0.2KG-20KG [Customizable 500N(50KG)]; Resolution: 0.1N 0.01Kg; Hardness measurement accuracy: range±0.5%; Tablet measurement diameter: 2-40mm	2 or 0 Marks		
5.	<u>Microprocessor Flame Photometer;</u> Benchtop; Sensitivity - General Mode: Na:0.5 ppm, K:0.5 ppm, Li:0.5 ppm, Ca:15 ppm; Auto gas cut off facility. Auto flame failure detection technology Microprocessor based controller system Option of five element measurement in single aspiration. Curve calibration programmability using maximum of 25 standards. Data processing through curve fitting techniques- least Squares, Quadratic. Multiple Calibration curves saving facility. Sample data storage facility.	2 or 0 Marks		
6.	<u>Laboratory UV Viewing Chamber</u> Irradiance ≤250/≤1000 mW/cm ² (1 UCUBE™); Wavelength 275-465 nm (UCUBE™); Power Supply 100-240 VAC; Active Air Cooling With Fans, Water Cooling Optional	2 or 0 Marks		
7.	<u>One Solvent Filtration Assembly, For Laboratory,</u> Capacity: 300 ML; Stainles steel; Filter 47mm - 90mm; Receiver 1000ml; Autoclavable; max flow - 15; Max pressure - 25 Psig, 120HP. Solvent Filtration Complete Assembly (Duck Clamp) Oil-Free Vacuum Pump 15 LPM Glass Flask 1LStainless Steel Filter Holder 300mlMembrane Filter 47mm x 0.45um Cellulose NitrateSS Forceps	2 or 0 Marks		
8.	<u>Centrifuge 5702 G (EP5702000365)</u> AC/DC input 230 V, 50 - 60 Hz, incl. rotor A-4-38 and 15/50ml adapters to hold 4 100 mL round buckets, to hold 4 50 mL conical tubes to hold 8 15 mL conical tubes incl. rotor A-4-38 and 15/50ml adapters; Parameters (4400rpm; 3000g). AC/DC input, UK plug; CE compliant.	2 or 0 Marks		

9.	<p><u>Magnetic Hotplate Stirrer</u></p> <p>➤ Versatile ARE 6 Magnetic Hotplate Stirrer with a powerful motor, enhanced magnet coupling and excellent resistance to chemicals, hot top warning and safety heating switch. Brand: Velp Scientifica™ F20500462</p>	2 or 0 Marks		
10.	<p><u>12L Digital Water Bath</u> 12L Digital Water Bath Lab Water Bath Thermostatic Heating Water Bath Lab with Selectable Openings 4 Wells Capacity 800W Without Flask (110V) Precise, inner tank of the water bath adopts one-time forming technology, made of stainless steel, rust-proof and corrosion-resistant, temperature control】 The water bath has a wide temperature range, which is from room temperature to 99.9°C, water temperature error is ±0.5°C,accurate to control temperature.</p> <p>2. 【Large capacity】 Working size is 12.2× 15.5×5.1in,the stainless steel inner adopt one-time forming technology, with no interface or weld seam ,prevent rust and corrosion.</p> <p>3. 【Rapid temperature rise】 The electric heating pipe is in the middle of the water tank for fast heating and with low power consumption.</p> <p>4. 【Adjustable cover】 The cover of water bath is adjustable, the max diameter of each hole is 12cm, which can be adjusted to suit different sizes of flasks. The water bath doesn't include flasks.</p> <p>5. 【More safety】 Digital Control, LED display, real-time display of temperature,with abnormal indicator light, safer to use.</p> <p>Lab Water Bath Thermostatic Heating Water Bath Lab with Selectable Openings 4 Wells Capacity 800W Without Flask (110V</p>	2 or 0 Marks		
11.	<p><u>Precision Balance;</u></p> <p>stainless steel weighing plate; resolution: 0.01 g; weighing capacity measuring range 1200 g; 0.01 g readability (1 mg); outside size 20.5 cm (8 in.) × 35 cm (13.75 in.) × 9 cm (3.5 in.); weighing pan diam. 160 mm (6.3 in.)</p>	2 or 0 Marks		
12.	<p><u>Digital Rotary Viscometer 10-100,000mPa.S</u></p> <p>Digital Lab Rotational Viscosity Meter +-3% Accuracy Fluidimeter Tester Meter with 4 Rotors and Temperature Probe 110-240V(NDJ-5S);</p> <p>LCD Display: Display in spindle, speed, temperature (°C), mPas and % torque.</p>	2 or 0 Marks		
13.	<p><u>20L Lab Incubator Precise Temperature Control 0-65°C,</u> 20L Lab Incubator Precise Temperature Control 0-65°C, Scientific Digital Incubator Constant-Temperature Microbiological Laboratory Incubator. Stainless steel, Temperature Range 32-149°F (0-65 °C)</p> <p>Measurement Accuracy ±0.5%FS</p> <p>Cold End Compensation Error ±2°C</p> <p>Service environment 0-50 °C, 30-85%RH non-corrosive gas application</p> <p>Capacity 20L</p>	2 or 0 Marks		

	<p>Power Supply 110V 50 Hz 400W Resolution 4Bit Insulation Resistance > 50 ohms (500VDC) Insulation Strength 1500VAC/1 min Power consumption < 10VA Inner size 9.8*11.8*11.8 Inch Outside size 15*17.7*18.9 Inch</p> <p>Scientific Digital Incubator Constant-Temperature Microbiological Laboratory Incubator. Stainless steel</p>			
14.	<p>Digital Colony Counter Display 4-Digit Digital LED display; ➤ Max counts 9999; Keyboard Soft Touch. Magnification 5.0 surface magnification; Power 230 V +10% AC, 50 Hz; with Standard Accessories Marking Pen, Magnifying Lens, Lens Holder, Instruction Manual; 110 mm. Diameter Magnifying Glass; Audible Confirmation of each count; Uniform glare free illumination; Wolffhuegel glass grid with focusing facility; Weight 3 Kgs (approx.)</p>	2 or 0 Marks		
15.	<p>Electric Overhead Stirrer, Electric Overhead Stirrer, LED Digital Overhead Stirrer Mixer with Stirring Rod, 20L , 10000 mPas , 50~2200RPM, Aluminum Alloy. Stand included. ONiLAB Electric Overhead Stirrer, LED Digital Overhead Stirrer Mixer with Stirring Rod, 20 L , 10000 mPas , 50~2200 RPM, Aluminum Alloy(Stand Included). em Weight 11.4 kg Package Dimensions 50.79 x 36.29 x 27.9 cm; 11.38 kg Item model number OS20-S Size 20-s Material PLA_(Polylactic_Acid), PE_(Polyethylene) Item Package Quantity 1 Included components 1 X Overhead stirrer,the support holder,and the Crossed stirrer</p> <p>LED Digital Overhead Stirrer Mixer with Stirring Rod, 20L , 10000 mPas , 50~2200RPM, Aluminum Alloy.</p>	2 or 0 Marks		
16.	<p>ONiLAB High Speed Homogenizer Lab Disperser Emulsifier, 2000-20000rpm Digital High Shear Mixer Emulsification Machine, 20-1200ml Capacity Emulsion Homogenize Dispersion Machine</p>	2 or 0 Marks		
17.	<p>Hand Operated Tablet Machine Material: Aluminum alloy Colour: Silver Number of Holes: 12 Tablet Size: 8mm with Kit Includes: Pack of 1 SS Spatula, 1 Spray Mist bottle, 1 Hammer, 1 Mortar & Pestle with Tablet Press Machine</p>	2 or 0 Marks		
18.	<p>Disintegration Test Unit ➤ Digital Temperature and Timer Tablet Disintegration Tester Splash proof panel with LCD display, Smooth up and down movement Water bath for uniform temperature, ➤ Fluorescent tube light for better viewing of tablet disintegration With Water Circulation System,</p>	2 or 0 Marks		

	<ul style="list-style-type: none"> ➤ Temperature: 25.0° C To 40.0° C, Accuracy: ± 0.3° C ➤ Power: 230 V 50 Hz. Heating System 300Watt 230 V, Accuracy ± 0.5° C Timer: 1 min to 99 hrs 59 mins 59 secs ➤ Strokes: 30 strokes/min, Water bath: 8 ltrs. 			
19.	<p><u>Tablet Friability Tester Ltft A13</u> 1 Cylinder, 25rpm, +-1 Rotation Accuracy, Cylinder Depth 39mm, Inner Diameter Of Cylinder 286mm,10 To 90 Turns Can Be Set Arbitrarily, Benchtop</p>	2 or 0 Marks		
20.	<p><u>2 C~8 C/-2 0C~-4 0C Pharmaceutical Refrigerator with Freezer</u> USB port, can record the temperature in one month automatically Separate display of refrigerator and freezer, easy observation Remote alarm and monitor in internet Divisible drawers and shelves for different items storing Multi-malfunction alarms, ece cautionary alarm</p>	2 or 0 Marks		
21.	<p><u>Portable Audiometer 200 sets/month</u> 1. Built-in battery: nominal voltage 7.4V/5000mAh; continuous operation≥8 hours, standby operation mode≥ 1 week 2. Computer interface: USB 2.0 data transmission interface, can be connected to the workstation for printing test report 18.portable, lightweight: weight: the host is about 910g, the gross weight is about 4.6kg</p>	2 or 0 Marks		
22.	<p><u>Dissection Table Model 600019-EC-60</u> Economy Dissection Table–Stainless steel adjustable bookstand</p> <ul style="list-style-type: none"> • Stainless steel leg supports • Stainless steel drain pail • Drain pail holder • Drain pail cover • Removable stainless-steel bottom shelf • Instrument tray holder • Stainless steel over the body book holder • Adjustable leveling feet for stationary mounting • Stainless steel drawer assembly L40, W30 H36 	2 or 0 Marks		
23.	<p><u>Recirculating Fume Cupboard Hood</u></p> <ul style="list-style-type: none"> ➤ Material PPS Structure & Built-In Sealed PPS Worktop Illumination 800 lux, ➤ Eco-Friendly LED Lighting Microprocessor Control 7” Color Touchscreen, Airflow System, 10-Speed Fan Control, Filter Replacement Alarm, Service Alarm & Lights Control Adjustable Air Velocity 0.5 ± 0.1m/s, 100 ± 20 fpm Noise Level < 55 dB (900mm Unit) or < 57 dB (1200mm Unit). ➤ Tested 200mm from the workstation and 1.2M above the ground. ➤ EC Fan Yes, 10-Speed Fan Control Windows Side windows and a 5mm safety front glass window with a sliding front sash (opening of 500mm) with a counterweight. 	2 or 0 Marks		

	<p>➤ Carbon Filter Yes, a carbon filter is supplied with this product bundle.</p> <p>Workspace Dimensions 880mm W x 450mm D x 550mm H</p> <p>External Dimensions 900mm W x 630mm D x 1050mm H</p>			
24.	<p><u>Digital Orbital Shaker</u></p> <p>Adjustable Speed 70-400RPM, Capacity 3KGS, Orbital Rotator Shaker with Continuous Mode zs(Set time to Zero) or Timer Mode, LCD Display Speed and time</p>	2 or 0 Marks		
25.	<p><u>BioTEK Elisa Microplate Washer 16-channels</u> BioTEK Elisa Microplate Washer 16-channels, Stores 75 Customized Programs</p> <p>Program Types: Wash, (Auto) Prime, Aspirate, Soak and Dispense</p> <p>Microplate Types: All 96 & 384-well plates</p> <p>Wash Cycles: 1-10</p> <p>Volume Range: 25-3,000 uL/well</p> <p>Buffer Selection: Manual (Buffer-Rinse)</p> <p>Soak Time: 1 - 600 seconds</p> <p>Program Linking: Link up to 10 previously created protocols</p> <p>Bottom washing</p> <p>Program Linking: Link up to 10 previously created protocols</p>	2 or 0 Marks		
26.	<p><u>Ultra-Low Temperature Freezer</u></p> <p>Laboratory Deep Chest Freezer for Biological Samples; Alluminium interior; Ultra-low Lab Freezer Supplier - -150°C - 80°C -60°C Freezer</p>	2 or 0 Marks		
27.	<p><u>Microcentrifuge machine,</u></p> <p>; Capacity: 24x1.5/2ml, Speed max: -5000rpm, No. of tubes: 8 tubes</p>	2 or 0 Marks		
28.	<p><u>Full Haemogram Machine:</u></p> <p>Automated Haematology analyzer (5 Part</p>	2 or 0 Marks		
29.	<p><u>Fully Automated Clinical Chemistry Analyser</u></p> <p>Fully Clinical Chemistry Analyzer</p>	2 or 0 Marks		
30.	<p><u>Binocular Microscope</u> - Olympus CX43 Binocular Microscope - Olympus CX43. Viewing Body</p> <p>Binocular, Trinocular, and/or Tilting Binocular</p> <p>Eye Piece</p> <p>10X 20mm</p> <p>Field of View</p> <p>48-75mm</p> <p>Objectives</p> <p>5 position turret. The following objectives are available: 2X, 4X, 10X, 20X, 40X, 100X Oil Plan Achromat (UIS2), anti-fungal objectives</p> <p>Condenser</p> <p>-Abbe condenser NA 1.25 with oil immersion</p> <p>- Universal condenser with 7 turret positions: BF (4 - 100X), 2X, DF, Ph1, Ph2, Ph3, FL</p> <p>-Condenser turret lock pin (BF only)</p>	2 or 0 Marks		

	<ul style="list-style-type: none"> -Built-in aperture iris diaphragm -AS lock pin Nosepiece Fixed quintuple nosepiece with inward tilt Stage - Wire movement mechanical fixed stage, (W x D): 211 mm x 154 mm - Traveling range (X x Y): 76 mm x 52 mm - Single specimen holder (optional: double specimen holder, sheet holder) - Specimen position scale - Stage XY movement stopper Illumination - Built-in transmitted illumination system - Kohler illumination (fixed field diaphragm) - LED power consumption 2.4 W (nominal value), precentered Focus - Stage height movement (coarse movement stroke: 15 mm) - Stroke per rotation for coarse adjustment knob: 36.8 mm, Focusing stopper - Torque adjustment for coarse adjustment knob - Fine focus knob (minimum adjustment gradations: 2.5 um) Accessories - Simple polarizing intermediate attachment / CX3-KPA - Eyepoint adjuster / U-EPA2 - Arrow pointer / U-APT - Dual observation attachment / U-DO3 			
31.	Digital Vortex Mixer Speed 0-3000rpm, Orbital Diameter 6mm, Touch,Timer and Continuous Modes,with Platform Pad for Test Tubes and Small Vessels	2 or 0 Marks		
32.	Digital Benchtop Centrifuge - Model: LC-5K; 12 x20ml	2 or 0 Marks		
33.	Mini Centrifuge with two Rotors, Storage Case, Adapters, Universal Power Adapter	2 or 0 Marks		
34.	Educational Polypropylene Fume cupboard with full transparency	2 or 0 Marks		
35.	Inverted Microscope. Olympus LS Inverted microscope Olympus CKX53 IPC/IVC V1, PH, trino, infinity, achro, 10x, 20x, 40x, LED. Optics Image scale 10x 20x, 40x Number of objectives3 Lighting Transmitted light Field curvaturePlan Colour correction apochromatic Condensor rotatable Lamp typeLED (4 W)	2 or 0 Marks		

	<p>Objective 1CACHN10xIPC Objective 2LCACHN20xIPC Objective 3LCACHN40xIPC infinity correctedyes Magnification 100x, 200x, 400x Capacity Lamp typeLED Temperature of color (K)4000 Phase contrastyes (IPC- (integrated phase contrast) objectives) DIC, IVC, RCyes brightfieldyes Contrast methodsDIC Mechanics Type of buildTrinocular Viewing posture (°) 45° angled eyepiece Focusing Coarse and fine movement Specimen stage Specimen stage Revolver4 Special features Luminous field diaphragmyes Wide-angle eyepieceyes (10X/22 mm wide field) General Width (mm)200 Length (mm)498 Height (mm)454 SeriesCKX53 Weight (g)6,9</p>			
36.	<p><u>Digital Thermostatic Lab Water Bath</u> 6L Water Bath Heater 1 Chamber with 2 Openings, for Lab Use 110V/60 Hz Digital Thermostatic Lab Water Bath 6L Water Bath Heater 1 Chamber with 2 Openings, for Lab Use 110V/60 Hz. Digital Thermostatic Lab Water Bath 6L Water Bath Heater 1 Chamber with 2 Openings, for Lab Use 110V/60 Hz. room temperature to 100°C. The distinguishability is 0.1°C. built-in timer, which ranges from 0-999 minutes. The water bath's 350mm x 150mm x 140mm stainless steel interior chamber ,Dual digital display for fast display of PV and ST temperatures. with the following Accessories List Power Cord x1 PP Ring Caps Aluminum Carrier Stainless Steel Cover User Manual</p>	2 or 0 Marks		
37.	<p><u>Electrophoresis Power Pack</u> Electrophoresis Power Pack Output range (programmable) 10–300 V, fully adjustable in 1 V steps</p>	2 or 0 Marks		

	<p>4–400 mA, fully adjustable in 1 mA steps 75 W (maximum) Type of output Constant voltage or constant current with automatic crossover Output terminals 4 pair recessed banana jacks in parallel Timer 1 min–99 hr 59 min, fully adjustable Pause/resume function Yes Display 3-digit LED Operating Conditions 0–40°C, 0–95% humidity in the absence of condensation Regulatory EN-61010, CE Safety features No-load detection, sudden load change detection, overload/short-circuit detection, overvoltage protection Input protection Fuse on both hot and neutral Input power (actual) 90–120 or 198–264 VAC, 50/60 Hz, autoswitching Dimensions (W x L x H), cm/in 21 x 24.5 x 6.5/8.3 x 9.6 x 2.6 Weight, kg/lb 1.1/2.4</p>			
38.	<p>ELISA Microplate Reader Model: RT 2100C ELISA Microplate Reader Model: RT 2100C. Microplate types 96-well plate(U,V,or flat-bottom) Wavelength 405nm,450nm,492nm,630nm,4 free positions for additional filters wavelength accuracy < 2nm Light source Halogen lamp Indication range 0-3.500Abs Resolution 0.001Abs (displayed), 0.0001Abs (calculated) Accuracy ±003A (0-2.000Abs) Calculation mode ABS, Cut-off, Curve, Linear regression Index regression, Logarithm regression, Exponent regression, etc Shaking plate Shaking time and speed adjustable Memory 100 programs, 1000 patients' data and 10000 sample records Interface</p>	2 or 0 Marks		

	RS-232, USB, SD card interface Display Large LCD Reading Speed 5 secs for 96 well plate (Single wavelength) Power supply Ac 110v-220V, 50/60Hz Input Touch screen, mouse or external keyboard			
39.	<u>Applied Biosystems MiniAmp Thermal Cycler PCR</u> Applied Biosystems MiniAmp Thermal Cycler PCR. Thermal Accuracy ±0.25°C (35°C to 99.9°C) High-throughput Compatibility High-throughput Compatible Thermal Uniformity <0.5°C (20 sec. after reaching 95°C) Dimensions 15.4 x 7.5 x 7.9 in. (39 x 19 x 20 cm) Voltage 100/240 V Product Type Thermal Cycler Thermal Range 0°C to 100°C Wattage 500 W No. of Programs >1000 Weight 13 lb. (5.9 kg) Content And Storage <ul style="list-style-type: none"> • MiniAmp Thermal Cycler • Country-specific power cord <u>For Use With (Equipment)</u> Applied Biosystems GeneAmp plastics consumables Reaction Speed Fast, Standard Capacity 96-well, 0.2 mL Display Type 5 in. Color TFT LCD Touchscreen Warranty Limited Warranty User Interface USB, Wi-Fi, Ethernet Max. Ramp Rate 3°C/sec. (Block), 2.2°C/sec. (Sample) Quantity 1 instrument	2 or 0 Marks		

	Block Configurations 96-well			
40.	<p><u>Class II, Type A2 Biological Safety Cabinet</u> 4-foot 1300 Series Class II, with UV light, armrests, manual adjustable stand, and SmartCoat Interior 4 foot 1300 Series Class II, Type A2 biological safety cabinet with UV light, armrests, manual adjustable stand, and Smart Coat. 25.4 cm Window Chamber Material Stainless Steel (304) Product Type Class II, Type A2 Bio Safety Cabinet Noise Level 63 dBA Sash Opening (Metric) 25.4 cm Volume (Metric) Exhaust 20 L Filter Type H14 HEPA EN 1822, 99.995% MPPS Ports 1 x Each Side Panel Load Bearing Capacity (Metric) 50 Kg Service Fixtures 6 (3 on Each Side) Length (English) Exterior 31.5 in. Width (English) Interior 51.2 in. Height (English) Exterior 61.8 in. Height (Metric) Exterior 156.8 cm Electrical Requirements 120 V, 50/60 Hz Amperage 8 A to 10 A Certifications/Compliance NSF/ANSI 49, UL, CE Width (Metric) Interior 1300 mm Model 1300 Series Plug Type NEMA 5-15 Width (English) Exterior 51.2 in. Filter Efficiency 99.995% MPPS</p>	2 or 0 Marks		

	<p>Width (Metric) Exterior 130 cm</p> <p>Load Bearing Capacity (English) 110 lb.</p> <p>Sash Opening (English) 10 in.</p> <p>Dimensions (L x W x H) Exterior 31.5 x 51.2 x 61.8 in. (80 x 130 x 156.8 cm)</p> <p>Length (Metric) Exterior 80 cm</p> <p>Frequency 50/60 Hz</p> <p>Height (English) Max. Opening 21 in.</p> <p>Height (Metric) Max. Opening 53.5 cm</p> <p>Voltage 120 V</p> <p>Interior</p>			
41.	<p><u>Digital Caliper Measuring Tool,</u></p> <ul style="list-style-type: none"> ➤ Stainless Steel Vernier Caliper Digital Micrometer with Large LCD Screen, Easy Switch from Inch Metric Fraction, 6 Inch Caliper Tool 	2 or 0 Marks		
42.	<p><u>Mini Fibre Oscope (Auriscopes)</u></p> <ul style="list-style-type: none"> ➤ New improved switch and bayonet fitting for more secure attachment of specula, Fibre optic ➤ Bright 2.5 Volt F.O. Light G108 ➤ Battery handle (2 x AA size batteries) ➤ Plastic tube with reusable ear specula <p>Also fits Heine disposable tips</p>	2 or 0 Marks		
43.	<p><u>Portable Turbidity Meter</u></p> <p>with 4 AA alkaline batteries, a carrying case with insert, primary calibration standards in 1" sealed vials (20, 100, 800 NTU), 10 NTU primary verification standard, 6 sample cells with screw-tops, instrument manual (printed and CD-ROM), quick start guide, silicone oil and oiling cloth</p>	2 or 0 Marks		
44.	<p><u>Portable Laboratory Conductivity Meter</u></p> <ul style="list-style-type: none"> ➤ Conductivity - 0 to 19.99µS, 0 to 199.9µS, 0 to 1999µS, 0 to 19.99mS, 0 to 199.9mS, 0 to 1999mS ➤ Resolution 0.01µS, 0.1µS, 1µS, 0.01mS, 0.1mS, 1mS* ➤ Accuracy ±0.5% ±2 digits TDS ranges 0 to 19.99mg/l, 0 to 199.9mg/l, 0 to 1999mg/l, 0 to 19.99g/l, 0 to 199.9g/l, 0 to 1999g/l ➤ Resolution 0.01mg/l, 0.1mg/l, 1mg/l, 0.01g/l, 0.1g/l, 1g/l* *only with cell constant >5 ➤ Accuracy ±0.5% ±2 digits ➤ Temperature ranges 10 to +105°C / 14 to 221°F Resolution 0.1°C / 1°F 	2 or 0 Marks		

	<p>Accuracy $\pm 0.5^{\circ}\text{C}$ / $\pm 1^{\circ}\text{F}$ ATC range 0 to 100°C / 32 to 212°F Manual temp. comp. 0 to 100°C / 32 to 212°F Cell constant 0.010 to 19.999 Temperature coeff. 0.00% to 4.00% Reference temp. 18, 20 25°C, default 25°C</p> <ul style="list-style-type: none"> ➤ EC ratio (cond. to TDS factor) 0.50 to 0.80, default 0.6 ➤ Auto standard recognition $10\mu\text{S}$, $84\mu\text{S}$, $1413\mu\text{S}$, 12.88mS ➤ Outputs Analogue 1mV per digit / RS232 ➤ Display Custom back lit LCD ➤ Power Power supply 9V a.c. ➤ Size 250(l) x 210(w) x 55(d) mm <p>Weight 850g</p>			
45.	Blood roller mixer- BBRM 101 Blood Mixer 4 Roller	2 or 0 Marks		
46.	<p>Hand Operated Tablet Machine</p> <ul style="list-style-type: none"> ➤ Material: Aluminum alloy ➤ Colour: Silver ➤ Number of Holes: 12 ➤ Tablet Size: 8mm with Kit Includes: <p>Pack of 1 SS Spatula, 1 Spray Mist bottle, 1 Hammer, 1 Mortar & Pestle with Tablet Press Machine</p>	2 or 0 Marks		
47.	<p>Disintegration Test Unit Disintegration Test Unit</p> <ul style="list-style-type: none"> ➤ Digital Temperature and Timer Tablet Disintegration Tester ➤ Splash proof panel with LCD display ➤ Smooth up and down movement ➤ Waterbath for uniform temperature ➤ Fluroscent tube light for better viewing of tablet disintegration With Water Circulation System, ➤ Temperature: 25.0°C To 40.0°C ➤ Accuracy: $\pm 0.3^{\circ}\text{C}$ ➤ Power: 230 V 50 Hz. ➤ Heating System 300Watt 230 V, Accuracy $\pm 0.5^{\circ}\text{C}$ ➤ Timer: 1 min to 99 hrs 59 mins 59 secs ➤ Strokes: 30 strokes/min ➤ Waterbath : 8 ltrs. 	2 or 0 Marks		
48	<p>TLC Chromatography</p> <ul style="list-style-type: none"> ❖ Complete unit with; <ul style="list-style-type: none"> ▪ Milipore Sigma TLC Silica Gel 60 Glass plates, 20 x 20 cm; ▪ MilliporeSigma™ Silica Gel 60 F254 Coated Aluminum-Backed TLC Sheets; ▪ DWK Life Sciences Kimble™ Kontes™ Reagent Sprayers with Screw Thread Ground Joint; ▪ Fisherbrand™ Rectangular TLC Developing Tank, Holds 20H x 10mm W plate, Soda Lime; <p>Porcelain Spot Plates.</p>	2 or 0 Marks		

49.	<p><u>Automatic Blood Pressure Monitor (BP Apparatus)</u></p> <p>❖ General Description:</p> <ul style="list-style-type: none"> • Display: - LCD Digital Display • Measuring principle: - Oscillometric method • Measuring localization: - Upper arm • Pressure Measurement Range: - 0 ~ 250 mmHg <p>❖ Technical Requirements:</p> <ul style="list-style-type: none"> • Measurement ranges: <ul style="list-style-type: none"> i. Pressure: 0-250 mmHg ii. Pressure measurement accuracy ± 3 mmHg and accuracy according to validation protocol. • Systolic (mmHg) <ul style="list-style-type: none"> i. 60–250 (for adult patients) • Diastolic (mm Hg), <ul style="list-style-type: none"> i. 30–150mmHg (for adult patients) • Pulse (beats per min), <ul style="list-style-type: none"> i. 30–200adult ii. Accuracy $\pm 5\%$ of the readout value • Inflation pressure (mm Hg) <ul style="list-style-type: none"> i. 150–250 for adults, adjustable or automatically set preferred. ii. Auto deflate pressure (mm Hg) for 300 adults, iii. Measurement interval, min: User selectable: ≥ 5 choices. iv. User selectable measurement time (s) less than or equal to 60(s). Automatic 0 required. v. The display may include tabulated/or graphic trends (user preference). <p>❖ Displayed parameters</p> <ul style="list-style-type: none"> • The unit should display the following numerical values: <ul style="list-style-type: none"> i) systolic pressure, ii) diastolic pressure, iii) pulse rate and iv) Low battery v) Current time/date 	2 or 0 Marks		
50.	<p><u>Warranty:</u></p> <p>Provide Warranty for at least 2 years from date of delivery for;</p> <ul style="list-style-type: none"> i. Mettler Toledo Precision Balance ii. Double Beam Digital Spectrophotometer iii. Infitek Tablet Hardness Tester iv. Microprocessor Flame Photometer v. Laboratory UV Viewing Chamber vi. One Solvent Filtration Assembly, For Laboratory, vii. Centrifuge 5702 G (EP5702000365) viii. Magnetic Hotplate Stirrer ix. 12L Digital Water Bath x. Precision Balance xi. Digital Lab Rotational Viscosity Meter xii. 20L Lab Incubator Precise Temperature Control 0-65°C, 	48 Marks		

	<ul style="list-style-type: none"> xiii. Digital Colony Counter Display 4-Digit Digital LED display xiv. Electric Overhead Stirrer xv. ONILAB High Speed Homogenizer xvi. Lab Disperser Emulsifier xvii. Hand Operated Tablet Machine Hand Operated Tablet Machine xviii. Disintegration Test Unit xix. Tablet Friability Tester LTFT A13 xx. 2 C~8 C/-2 0C~-4 0C Pharmaceutical Refrigerator with Freezer xxi. Portable Audiometer 200 sets/month xxii. Dissection Table Model 600019-EC-60 xxiii. Recirculating Fume Cupboard Hood xxiv. Digital Orbital Shaker xxv. BioTEK Elisa Microplate Washer 16-channels xxvi. Ultra-Low Temperature Freezer xxvii. Microcentrifuge machine xxviii. Full Haemogram Machine: xxix. Fully Automated Clinical Chemistry Analyser xxx. Binocular Microscope xxxi. Digital Vortex Mixer xxxii. Digital Benchtop Centrifuge xxxiii. mySPIN 12 Mini Centrifuge xxxiv. Educational Polypropylene Fume cupboard xxxv. Inverted Microscope xxxvi. Digital Thermostatic Lab Water Bath xxxvii. Electrophoresis Power Pack xxxviii. ELISA Microplate Reader xxxix. Applied Biosystems MiniAmp Thermal Cycler PCR xl. Class II, Type A2 biological safety cabinet xli. Digital Caliper Measuring Tool xlii. Mini Fibre Otoscope (Auriscopes) xliii. Portable Turbidity Meter xliv. Portable Laboratory Conductivity Meter xlv. Blood roller mixer xlvi. Hand Operated Tablet Machine xlvii. Disintegration Test Unit xlviii. TLC Chromatography <p>(1 Mark per catalog/brochure and manual provided for each requested item)</p>			
51.	<p>Indicate lead time for delivery of the items;</p> <ul style="list-style-type: none"> a) Less than 4 weeks - (5 Marks) b) 5-6 weeks - (3 Marks) c) 7-8 weeks - (2 Marks) d) More than 8 weeks (1 Mark) e) Not Provided - (0 Marks) 	5 Marks		

52.	Provide proof of supply of medical-related items and accessories in the recent past (2018 to date) specifying the value (Attach purchase orders/contracts/invoices as proof) <ul style="list-style-type: none"> a) Orders below KES 5M – (2 Marks) b) Orders above KES 5M - but below KES 10M- (3 Marks) c) Orders above KES 10M - (5 Marks) d) Not Provided – (0 Marks) 	5 Marks		
	Total Marks	178 Marks		
Only bidders who score at least 135 Marks and above shall proceed to the next stage of evaluation, the Financial review evaluation stage				

SECTION 4: Confidential Business Questionnaire

You are requested to give the particulars indicated in part 1 and either part 2(a), 2(b) or 2(c) whichever applies to your type of business.

Part 1 - General

Business Name: Location of Business premises: Country/Town..... Postal Address: Code: Town:
Tel No.: E-mail:
Fax: Nature of Business:
.....

Part 2 (a) – Individuals

Your Name in full: Nationality:
Country of Origin: Citizenship details

Part 2 (b) – Partnership

	Name:	Nationality:	Citizenship Details:	Shares
1.
2.
3.

Part 2 (c) – Registered Company

Private or Public:
.....

State the nominal and issue capital of the company:
.....
.....

Nominal KES:
.....

Issued KES:
.....

Give details of all directors as follows:

	Name:	Nationality:	Citizenship Details:	Shares
1.
2.
3.

SECTION 5: Tender Security Form

TENDER NO./AMREF/19/03/2025/002

SUPPLY, DELIVERY AND INSTALLATION OF VARIOUS LABORATORY EQUIPMENT – LOT 2

To: Amref Health Africa,

WHEREAS *[insert: name of Tenderer]* (hereinafter called “the Tenderer”) has submitted its tender dated *[insert: date of tender]* for the performance of the above-named Contract (hereinafter called “the Tender”)

KNOW ALL PERSONS by these present that WE *[insert: name of bank]* of *[insert: address of bank]* (hereinafter called “the Bank”) are bound unto *[insert: name of Purchaser]* (hereinafter called “the Purchaser”) in the sum of: *[insert: amount]*, for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents.

Sealed with the Common Seal of the said Bank this *[insert: number]* day of *[insert: month]*, *[insert: year]*.

THE CONDITIONS of this obligation are the following:

1. If, after the tender submission deadline, the Tenderer
 - i. withdraws its tender during the period of tender validity specified by the Tenderer in the Tender Form, or
 - ii. does not accept the Purchaser’s corrections of arithmetic errors in accordance with the Instructions to Tenderers; or
 - iii. does not at all reply to the Purchaser’s requests for clarification.
2. If the Tenderer, having been notified of the acceptance of its tender by the Purchaser during the period of tender validity
 - (a) fails or refuses to sign the Contract Agreement when required; or
 - (b) Fails or refuses to issue the performance security in accordance with the Instructions to Tenderers.

We undertake to pay to the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due it, owing to the occurrence of any one of the two above-named CONDITIONS, and specifying the occurred condition or conditions.

This guarantee will remain in full force up to and including **Monday, September 29 2025**, and any demand in respect thereof must reach the Bank not later than the above date.

Note: A bidder who withdraws its tender after the deadline for submission will forfeit its bid security deposit.

For and on behalf of the Bank

Signed: _____ Date: _____

SECTION 6: Manufacturers' Authorization Form

(Must be on the Manufacturer's or Producer's letterhead)

To: Amref Health Africa,
Opposite Langata Road Primary School,
P.O Box 30195-00100
Nairobi, Kenya.

Dear Sirs,

WHEREAS *[insert: **name of the Manufacturer or Producer**]* (hereinafter, "we" or "us") who are established and reputable manufacturers or producers of *[insert: **name and/or description of the Goods requiring this authorization**]* (hereinafter, "Goods") having production facilities at *[insert: **address of factory**]* do hereby authorize *[insert: **name and address of Tenderer**]* (hereinafter, the "Tenderer") to submit a tender, and subsequently negotiate and sign the Contract with you against *[insert: **the specific tender name and tender number**]* for supply of laboratory equipment, including the above Goods produced by us.

We hereby extend our full guarantee and warranty for the above specified Goods against these tender documents.

For and on behalf of the Manufacturer or Producer:

Signed: _____

Date: _____

In the capacity of *[insert: **title, position, or other appropriate designation**]* and duly authorized to sign this Authorization on behalf of *[insert: **name of manufacturer or producer**]*

NOTE: Manufacturer's Authorization must be on LETTER HEAD and addressed to Amref Health Africa and must be specific to the tender and item and signed by an authorized signatory. -MANDATORY

SECTION 7: References

BANK REFERENCES	
BANK HOLDING MAIN ACCOUNT	
Bank name and address:	
Name of account:	
Account number:	How long open?

COMMERCIAL REFERENCES	
Provide names and contract details of two customers who may be approached to verify your capacity to perform against similar contracts.	
LOCAL/INTERNATIONAL TRADE REFERENCE – CUSTOMER 1	
Name and address:	
Activity:	Period of relationship:
Contact name:	Fax no.:
Telephone No.:	
LOCAL/INTERNATIONAL TRADE REFERENCE – CUSTOMER 2	
Name and address	
Activity:	Period of relationship:
Contact name:	Fax no.:
Telephone No.:	

SECTION 8: Delivery Schedule of Goods

DESCRIPTION	QTY	UOM	DELIVERY LOCATION
Supply, delivery and installation of laboratory equipment	LOT	1	Amref International University, Northlands Campus

Bidders are requested to quote and schedule delivery for all listed items in the specified quantities below.

No.	ITEM DESCRIPTION	UOM	QUANTITY
1	<p><u>Mettler Toledo Precision Balance</u></p> <ul style="list-style-type: none"> ➤ Model: MA203; 3 decimal places 220g capacity, 1 mg readability; large, bright display; internal adjustment; easy levelling; chemical resistance; USB and RS232 connection; passcode protection. 	Pieces	3
2	<p><u>Double Beam Digital Spectrophotometer</u></p> <ul style="list-style-type: none"> ➤ Wave Length Range 190-1100nm; Special Bandwidth 0.5nm UV-VIS Microprocessor with Software 10mm 8 cuvette holder Model AC-315D1105; Photometric Range 0.3 to 3.5 A, 0 to 220 %T; Dimension 630 x 470 x 210 mm; Weight 26kgs (Approx.) 	Pieces	1
3	<p><u>Infitek Tablet Hardness Tester</u></p> <ul style="list-style-type: none"> ➤ THDT-3; Hardness test range: 2-200N 0.2KG-20KG [Customizable 500N(50KG)]; Resolution: 0.1N 0.01Kg; Hardness measurement accuracy: range±0.5%; Tablet measurement diameter: 2-40mm 	Pieces	1
4	<p><u>Microprocessor Flame Photometer;</u></p> <ul style="list-style-type: none"> ➤ Benchtop; Sensitivity - General Mode: Na:0.5 ppm, K:0.5 ppm, Li:0.5 ppm, Ca:15 ppm; Auto gas cut off facility. Auto flame failure detection technology Microprocessor based controller system Option of five element measurement in single aspiration. Curve calibration programmability using maximum of 25 standards. Data processing through curve fitting techniques-least Squares, Quadratic. Multiple Calibration curves saving facility. Sample data storage facility. 	Pieces	1
5	<p><u>Laboratory UV Viewing Chamber</u></p> <ul style="list-style-type: none"> ➤ Irradiance ≤250/≤1000 mW/cm² (1 UCUBE™); Wavelength 275-465 nm (UCUBE™); Power Supply 100-240 VAC; Active Air Cooling With Fans, Water Cooling Optional 	Pieces	1
7	<p><u>One Solvent Filtration Assembly, For Laboratory,</u></p> <ul style="list-style-type: none"> ➤ Capacity: 300 MI; Stainles steel; Filter 47mm - 90mm; Receiver 1000ml; Autoclavable; max flow - 15; Max pressure - 25 Psig, 120HP. Solvent Filtration Complete Assembly (Duck Clamp) Oil-Free Vacuum Pump 15 LPM Glass Flask 1LStainless Steel Filter Holder 300mlMembrane Filter 47mm x 0.45um Cellulose NitrateSS Forceps 	Pieces	1
8	<p><u>Centrifuge 5702 G (EP5702000365)</u></p> <ul style="list-style-type: none"> ➤ AC/DC input 230 V, 50 - 60 Hz, incl. rotor A-4-38 and 15/50ml adapters to hold 4 100 mL round buckets, to hold 4 50 mL conical tubes to hold 8 15 mL conical tubes incl. rotor A-4-38 and 15/50ml adapters; Parameters (4400rpm; 3000g). AC/DC input, UK plug; CE compliant. 	Pieces	1

9	<p><u>Velp Scientifica™ ARE 6 Magnetic Hotplate Stirrer</u></p> <ul style="list-style-type: none"> ➤ Versatile ARE 6 Magnetic Hotplate Stirrer with a powerful motor, enhanced magnet coupling and excellent resistance to chemicals, hot top warning and safety heating switch. Brand: Velp Scientifica™ F20500462 	Pieces	4
10	<p><u>12L Digital Water Bath Lab Water Bath</u></p> <ul style="list-style-type: none"> ➤ Thermostatic Heating Water Bath Lab with Selectable Openings 4 Wells Capacity 800W Without Flask (110V) Precise, inner tank of the water bath adopts one-time forming technology, made of stainless steel, rust-proof and corrosion-resistant, temperature control. - The water bath has a wide temperature range, which is from room temperature to 99.9°C, water temperature error is ±0.5°C, accurate to control temperature. ➤ 【Large capacity】 - Working size is 12.2× 15.5×5.1in the stainless-steel inner adopt one-time forming technology, with no interface or weld seam, prevent rust and corrosion. ➤ 【Rapid temperature rise】 - The electric heating pipe is in the middle of the water tank for fast heating and with low power consumption. ➤ 【Adjustable cover】 - The cover of water bath is adjustable, the max diameter of each hole is 12cm, which can be adjusted to suit different sizes of flasks.The water bath doesn't include flasks. ➤ 【More safety】 - Digital Control, LED display, real-time display of temperature,with abnormal indicator light, safer to use. 	Pieces	1
11	<p><u>Precision Balance;</u></p> <ul style="list-style-type: none"> ➤ stainless steel weighing plate; resolution: 0.01 g; weighing capacity measuring range 1200 g; 0.01 g readability (1 mg); outside size 20.5 cm (8 in.) × 35 cm (13.75 in.) × 9 cm (3.5 in.); weighing pan diam. 160 mm (6.3 in.) 	Pieces	4
12	<p><u>Digital Rotary Viscometer 10-100,000mPa.S</u> Digital Lab Rotational Viscosity Meter +-3% Accuracy Fluidimeter Tester Meter with 4 Rotors and Temperature Probe 110-240V(NDJ-5S); LCD Display: Display in spindle, speed, temperature (°C), mPas and % torque.</p>	Pieces	1
13	<p><u>20L Lab Incubator Precise Temperature Control 0-65°C, Scientific Digital Incubator Constant-Temperature Microbiological Laboratory Incubator.</u> Stainless steel, Temperature Range 32-149°F (0-65 °C) Measurement Accuracy ±0.5%FS Cold End Compensation Error ±2°C Service environment 0-50 °C, 30-85%RH non-corrosive gas application Capacity 20L Power Supply 110V 50 Hz 400W Resolution 4Bit Insulation Resistance > 50 ohms (500VDC) Insulation Strength 1500VAC/1 min Power consumption < 10VA Inner size 9.8*11.8*11.8 Inch Outside size 15*17.7*18.9 Inch</p>	Pieces	1

14	<p>Digital Colony Counter Display 4-Digit Digital LED display;</p> <ul style="list-style-type: none"> ➤ Max counts 9999; Keyboard Soft Touch. Magnification 5.0 surface magnification; Power 230 V +10% AC, 50 Hz; with Standard Accessories Marking Pen, Magnifying Lens, Lens Holder, Instruction Manual; 110 mm. Diameter Magnifying Glass; Audible Confirmation of each count; Uniform glare free illumination; Wolffhuegel glass grid with focusing facility; Weight 3 Kgs (approx.) 	Pieces	1
15	<p>Electric Overhead Stirrer, Electric Overhead Stirrer, LED Digital Overhead Stirrer Mixer with Stirring Rod, 20L, 10000 mPas, 50~2200RPM, Aluminum Alloy. Stand included. ONiLAB Electric Overhead Stirrer, LED Digital Overhead Stirrer Mixer with Stirring Ro, 20 L, 10000 mPas, 50~2200 RPM, Aluminum Alloy(Stand Included). em Weight 11.4 kg</p> <p>Package Dimensions 50.79 x 36.29 x 27.9 cm; 11.38 kg</p> <p>Item model number OS20-S</p> <p>Size 20-s</p> <p>Material PLA_(Polylactic_Acid), PE_(Polyethylene)</p> <p>Item Package Quantity 1</p> <p>Included components 1 X Overhead stirrer,the support holder,and the Crossed stirrer</p>	Pieces	2
16	<p>ONiLAB High Speed Homogenizer Lab Disperser Emulsifier, 2000-20000rpm Digital High Shear Mixer Emulsification Machine, 20-1200ml Capacity Emulsion Homogenize Dispersion Machine</p>	Pieces	2
19	<p>Hand Operated Tablet Machine Hand Operated Tablet Machine</p> <ul style="list-style-type: none"> ➤ Material: Aluminum alloy Colour: Silver Number of Holes: 12 Tablet Size: 8mm with Kit Includes: Pack of 1 SS Spatula, 1 Spray Mist bottle, 1 Hammer, 1 Mortar & Pestle with Tablet Press Machine 	Pieces	1
20	<p>Disintegration Test Unit</p> <ul style="list-style-type: none"> ➤ Digital Temperature and Timer Tablet Disintegration Tester Splash proof panel with LCD display, Smooth up and down movement Waterbath for uniform temperature, ➤ Fluorescent tube light for better viewing of tablet disintegration With Water Circulation System, ➤ Temperature: 25.0° C To 40.0° C, Accuracy: ± 0.3° C ➤ Power: 230 V 50 Hz. Heating System 300Watt 230 V, Accuracy ± 0.5° C Timer: 1 min to 99 hrs 59 mins 59 secs ➤ Strokes: 30 strokes/min, ➤ Water bath: 8 ltrs. 	Pieces	1
21	<p>Tablet Friability Tester LTFT A13</p> <ul style="list-style-type: none"> ➤ 1 CYLINDER, 25RPM, +-1 ROTATION ACCURACY, CYLINDER DEPTH 39MM, INNER DIAMETER OF CYLINDER 286MM,10 TO 90 TURNS CAN BE SET ARBITRARILY, BENCHTOP 	Pieces	1
22	<p>2 C~8 C/-2 0C~-4 0C Pharmaceutical Refrigerator with Freezer</p> <ul style="list-style-type: none"> ➤ USB port, can record the temperature in one month automatically Separate display of refrigerator and freezer, easy observation Remote alarm and monitor in internet (optional) Divisible drawers and shelves for different items storing Multi-malfunction alarms, ece cautionary alarm 	Pieces	1

23	<p><u>Portable Audiometer 200 sets/month</u></p> <p>3. Built-in battery: nominal voltage 7.4V/5000mAh; continuous operation ≥ 8 hours, standby operation mode ≥ 1 week</p> <p>4. Computer interface: USB 2.0 data transmission interface, can be connected to the workstation for printing test report</p> <p>5. 18.portable, lightweight: weight: the host is about 910g, the gross weight is about 4.6kg</p>	Pieces	2
24	<p><u>Human Skeleton Model</u> with Metal Stand, Removable Arms & Legs; Manual Included</p>	Pieces	2
25	<p><u>Organs of The Human Body Poster</u> 24 X 36 INCH Styrene Plastic</p>	Pieces	2
26	<p><u>The Human Skeletal System Poster</u> 24 X 36 INCH Styrene Plastic</p>	Pieces	1
27	<p><u>Dissection Table Model 600019-EC-60</u></p> <ul style="list-style-type: none"> ➤ Economy Dissection Table-Stainless steel adjustable bookstand <ul style="list-style-type: none"> • Stainless steel leg supports • Stainless steel drain pail • Drain pail holder • Drain pail cover • Removable stainless-steel bottom shelf • Instrument tray holder • Stainless steel over the body book holder • Adjustable leveling feet for stationary mounting • Stainless steel drawer assembly L40, W30 H36 	Pieces	1
28	<p><u>Recirculating Fume Cupboard Hood</u></p> <ul style="list-style-type: none"> ➤ Material PPS Structure & Built-In Sealed PPS Worktop Illumination 800 lux, ➤ Eco-Friendly LED Lighting Microprocessor Control 7" Colour Touchscreen, Airflow System, 10-Speed Fan Control, Filter Replacement Alarm, Service Alarm & Lights Control Adjustable Air Velocity 0.5 ± 0.1m/s, 100 ± 20 fpm Noise Level < 55 dB (900mm Unit) or < 57 dB (1200mm Unit). ➤ Tested 200mm from the workstation and 1.2M above the ground. ➤ EC Fan Yes, 10-Speed Fan Control Windows Side windows and a 5mm safety front glass window with a sliding front sash (opening of 500mm) with a counterweight. ➤ Carbon Filter Yes, a carbon filter is supplied with this product bundle. ➤ Workspace Dimensions 880mm W x 450mm D x 550mm H External Dimensions 900mm W x 630mm D x 1050mm H 	Pieces	1
29	<p><u>Digital Orbital Shaker</u></p> <ul style="list-style-type: none"> ➤ Adjustable Speed 70-400RPM, Capacity 3KGS, Orbital Rotator Shaker with Continuous Mode zs(Set time to Zero) or Timer Mode, LCD Display Speed and time 	Pieces	1 Pc
30	<p><u>BioTEK Elisa Microplate Washer 16-channels</u></p> <p>BioTEK Elisa Microplate Washer 16-channels ,Stores 75 Customized Programs</p> <p>Program Types: Wash, (Auto) Prime, Aspirate, Soak and Dispense</p> <p>Microplate Types: All 96 & 384-well plates</p> <p>Wash Cycles: 1-10</p> <p>Volume Range: 25-3,000 uL/well</p> <p>Buffer Selection: Manual (Buffer-Rinse)</p>	Pieces	1

	Soak Time: 1 - 600 seconds Program Linking: Link up to 10 previously created protocols Bottom washing		
31	Ultra-Low Temperature Freezer ➤ Laboratory Deep Chest Freezer for Biological Samples; Alluminium interior; Ultra-low Lab Freezer Supplier - -150°C -80°C -60°C Freezer	Pieces	1
32	Microcentrifuge machine, ➤ Fisherbrand; Capacity: 24×1.5/2ml, Speed max: -5000rpm, No. of tubes: 8 tubes	Pieces	2
33	Full Haemogram Machine: ➤ Mindray BC 5000; Automated Haematology analyzer (5 Part)	Pieces	5
34	Fully Automated Clinical Chemistry Analyser ➤ MINDRAY BS-240 Fully Clinical Chemistry Analyzer	Pieces	3
35	Binocular Microscope - Olympus CX43 Binocular Microscope - Olympus CX43. Viewing Body Binocular, Trinocular, and/or Tilting Binocular Eye Piece - 10X 20mm Field of View - 48-75mm Objectives - 5 position turret. The following objectives are available: 2X, 4X, 10X, 20X, 40X, 100X Oil Plan Achromat (UIS2), anti-fungal objectives Condenser -Abbe condenser NA 1.25 with oil immersion - Universal condenser with 7 turret positions: BF (4 - 100X), 2X, DF, Ph1, Ph2, Ph3, FL -Condenser turret lock pin (BF only) -Built-in aperture iris diaphragm -AS lock pin Nosepiece - Fixed quintuple nosepiece with inward tilt Stage - Wire movement mechanical fixed stage, (W x D): 211 mm x 154 mm - Traveling range (X x Y): 76 mm x 52 mm - Single specimen holder (optional: double specimen holder, sheet holder) - Specimen position scale - Stage XY movement stopper Illumination - Built-in transmitted illumination system - Kohler illumination (fixed field diaphragm) - LED power consumption 2.4 W (nominal value), precentered Focus - Stage height movement (coarse movement stroke: 15 mm) - Stroke per rotation for coarse adjustment knob: 36.8 mm, Focusing stopper - Torque adjustment for coarse adjustment knob - Fine focus knob (minimum adjustment gradations: 2.5 um) Accessories - Simple polarizing intermediate attachment / CX3-KPA - Eyepoint adjuster / U-EPA2 - Arrow pointer / U-APT - Dual observation attachment / U-DO3	Pieces	4

36	Digital Vortex Mixer Speed 0-3000rpm, Orbital Diameter 6mm, Touch,Timer and Continuous Modes,with Platform Pad for Test Tubes and Small Vessels	Pieces	2
37	Digital Benchtop Centrifuge - Model: LC-5K; 12 x20ml	Pieces	1
38	Thermo Scientific mySPIN 12 Mini Centrifuge with two Rotors, Storage Case, Adapters, Universal Power Adapter	Pieces	1
39	Educational Polypropylene Fume cupboard with full transparency	Pieces	1
40	Inverted Microscope. Olympus LS Inverted microscope Olympus CKX53 IPC/IVC V1, PH, trino, infinity, achro, 10x, 20x, 40x, LED. Optics Image scale 10x 20x, 40x Number of objectives3 Lighting Transmitted light Field curvaturePlan Colour correctionapochromatic Condensor rotatable Lamp typeLED (4 W) Objective 1CACHN10xIPC Objective 2LCACHN20xIPC Objective 3LCACHN40xIPC infinity correctedyes Magnification - 100x, 200x, 400x Capacity - Lamp typeLED Temperature of color (K)4000 Phase contrastyes (IPC- (integrated phase contrast) objectives) DIC, IVC, RCyes brightfieldyes Contrast methodsDIC Mechanics Type of buildTrinocular Viewing posture (°) 45° angled eyepiece Focusing Coarse and fine movement Specimen stage Specimen stage Revolver4 Special features Luminous field diaphragmyes Wide-angle eyepieceyes (10X/22 mm wide field) General Width (mm)200 Length (mm)498 Height (mm)454 SeriesCKX53 Weight (g)6,9	Pieces	5
41	Digital Thermostatic Lab Water Bath 6L Water Bath Heater 1 Chamber with 2 Openings, for Lab Use 110V/60 Hz Digital Thermostatic Lab Water Bath 6L Water Bath Heater 1 Chamber with 2 Openings, for Lab	Pieces	1

	<p>Use 110V/60 Hz. Digital Thermostatic Lab Water Bath 6L Water Bath Heater 1 Chamber with 2 Openings, for Lab Use 110V/60 Hz. room temperature to 100°C. The distinguishability is 0.1°C. built-in timer, which ranges from 0-999 minutes. The water bath's 350mm x 150mm x 140mm stainless steel interior chamber ,Dual digital display for fast display of PV and ST temperatures. with the following Accessories List</p> <p>Power Cord x1 PP Ring Caps Aluminum Carrier Stainless Steel Cover User Manual</p>		
42	<p><u>Electrophoresis Power Pack Electrophoresis Power Pack Output range (programmable)</u> 10–300 V, fully adjustable in 1 V steps 4–400 mA, fully adjustable in 1 mA steps 75 W (maximum) Type of output Constant voltage or constant current with automatic crossover Output terminals 4 pair recessed banana jacks in parallel Timer 1 min–99 hr 59 min, fully adjustable Pause/resume function Yes Display 3-digit LED Operating Conditions 0–40°C, 0–95% humidity in the absence of condensation Regulatory EN-61010, CE Safety features No-load detection, sudden load change detection, overload/short-circuit detection, overvoltage protection Input protection Fuse on both hot and neutral Input power (actual) 90–120 or 198–264 VAC, 50/60 Hz, autoswitching Dimensions (W x L x H), cm/in 21 x 24.5 x 6.5/8.3 x 9.6 x 2.6 Weight, kg/lb 1.1/2.4</p>	Pieces	5
43	<p><u>ELISA Microplate Reader</u> Model: RT 2100C ELISA Microplate Reader Model: RT 2100C. Microplate types 96-well plate(U,V,or plat-bottom) Wavelength 405nm,450nm,492nm,630nm,4 free positions for additional filters wavelength accuracy < 2nm Light source Halogen lamp Indication range 0-3.500Abs</p>	Pieces	5

	<p>Resolution 0.001Abs (displayed), 0.0001Abs (calculated)</p> <p>Accuracy ±003A (0-2.000Abs)</p> <p>Calculation mode ABS, Cut-off, Curve, Linear regression Index regression, Logarithm regression, Exponent regression, etc</p> <p>Shaking plate Shaking time and speed adjustable</p> <p>Memory 100 programs, 1000 patients' data and 10000 sample records</p> <p>Interface RS-232, USB, SD card interface</p> <p>Display Large LCD</p> <p>Reading Speed 5 secs for 96 well plate (Single wavelength)</p> <p>Power supply Ac 110v-220V, 50/60Hz</p> <p>Input Touch screen, mouse or external keyboard</p>		
44	<p><u>Applied Biosystems MiniAmp Thermal Cycler PCR Applied Biosystems MiniAmp Thermal Cycler PCR.</u></p> <p>Thermal Accuracy ±0.25°C (35°C to 99.9°C)</p> <p>High-throughput Compatibility High-throughput Compatible</p> <p>Thermal Uniformity <0.5°C (20 sec. after reaching 95°C)</p> <p>Dimensions 15.4 x 7.5 x 7.9 in. (39 x 19 x 20 cm)</p> <p>Voltage 100/240 V</p> <p>Product Type Thermal Cycler</p> <p>Thermal Range 0°C to 100°C</p> <p>Wattage 500 W</p> <p>No. of Programs >1000</p> <p>Weight 13 lb. (5.9 kg)</p> <p>Content And Storage</p> <ul style="list-style-type: none"> • MiniAmp Thermal Cycler • Country-specific power cord <p>For Use With (Equipment) Applied Biosystems GeneAmp plastics consumables</p> <p>Reaction Speed Fast, Standard</p> <p>Capacity</p>	Pieces	5

	<p>96-well, 0.2 mL Display Type 5 in. Color TFT LCD Touchscreen Warranty Limited Warranty User Interface USB, Wi-Fi, Ethernet Max. Ramp Rate 3°C/sec. (Block), 2.2°C/sec. (Sample) Quantity 1 instrument Block Configurations 96-well</p>		
45	<p>Type A2 Biological Safety Cabinet 4-foot 1300 Series Class II, with UV light, armrests, manual adjustable stand, and SmartCoat Interior 4 foot 1300 Series Class II, Type A2 biological safety cabinet with UV light, armrests, manual adjustable stand, and SmartCoat. 25.4 cm Window Chamber Material Stainless Steel (304) Product Type Class II, Type A2 Bio Safety Cabinet Noise Level 63 dBA Sash Opening (Metric) 25.4 cm Volume (Metric) Exhaust 20 L Filter Type H14 HEPA EN 1822, 99.995% MPPS Ports 1 x Each Side Panel Load Bearing Capacity (Metric) 50 Kg Service Fixtures 6 (3 on Each Side) Length (English) Exterior 31.5 in. Width (English) Interior 51.2 in. Height (English) Exterior 61.8 in. Height (Metric) Exterior 156.8 cm Electrical Requirements 120 V, 50/60 Hz Amperage 8 A to 10 A Certifications/Compliance</p>	Pieces	1

	NSF/ANSI 49, UL, CE Width (Metric) Interior 1300 mm Model 1300 Series Plug Type NEMA 5-15 Width (English) Exterior 51.2 in. Filter Efficiency 99.995% MPPS Width (Metric) Exterior 130 cm Load Bearing Capacity (English) 110 lb. Sash Opening (English) 10 in. Dimensions (L x W x H) Exterior 31.5 x 51.2 x 61.8 in. (80 x 130 x 156.8 cm) Length (Metric) Exterior 80 cm Frequency 50/60 Hz Height (English) Max. Opening 21 in. Height (Metric) Max. Opening 53.5 cm Voltage 120 V Interior		
46	<u>Digital Caliper Measuring Tool,</u> ➤ Stainless Steel Vernier Caliper Digital Micrometer with Large LCD Screen, Easy Switch from Inch Metric Fraction, 6 Inch Caliper Tool	Pieces	1
47	<u>Mini Fibre Oscope (Auriscopes)</u> ➤ New improved switch and bayonet fitting for more secure attachment of specula, Fibre optic ➤ Bright 2.5 Volt F.O. Light G108 ➤ Battery handle (2 x AA size batteries) ➤ Plastic tube with reusable ear specula ➤ Also fits Heine disposable tips	Pieces	1
48	<u>Portable Turbidity Meter</u> ➤ with 4 AA alkaline batteries, a carrying case with insert, primary calibration standards in 1" sealed vials (20, 100, 800 NTU), 10 NTU primary verification standard, 6 sample cells with screw-tops, instrument manual (printed and CD-ROM), quick start guide, silicone oil and oiling cloth.	Pieces	1

49	<p><u>Portable Laboratory Conductivity Meter</u></p> <ul style="list-style-type: none"> ➤ Conductivity - 0 to 19.99μS, 0 to 199.9μS, 0 to 1999μS, 0 to 19.99mS, 0 to 199.9mS, 0 to 1999mS ➤ Resolution 0.01μS, 0.1μS, 1μS, 0.01mS, 0.1mS, 1mS* ➤ Accuracy ±0.5% ±2 digits TDS ranges 0 to 19.99mg/l, 0 to 199.9mg/l, 0 to 1999mg/l, 0 to 19.99g/l, 0 to 199.9g/l, 0 to 1999g/l ➤ Resolution 0.01mg/l, 0.1mg/l, 1mg/l, 0.01g/l, 0.1g/l, 1g/l* *only with cell constant >5 ➤ Accuracy ±0.5% ±2 digits ➤ Temperature ranges 10 to +105°C / 14 to 221°F Resolution 0.1°C / 1°F Accuracy ±0.5°C / ±1°F ATC range 0 to 100°C / 32 to 212°F Manual temp. comp. 0 to 100°C / 32 to 212°F Cell constant 0.010 to 19.999 Temperature coeff. 0.00% to 4.00% Reference temp. 18, 20 25°C, default 25°C ➤ EC ratio (cond. to TDS factor) 0.50 to 0.80, default 0.6 ➤ Auto standard recognition 10μS, 84μS, 1413μS, 12.88mS ➤ Outputs Analogue 1mV per digit / RS232 ➤ Display Custom back lit LCD ➤ Power Power supply 9V a.c. ➤ Size 250(l) x 210(w) x 55(d) mm ➤ Weight 850g 	Pieces	1
50	<u>Blood roller mixer</u> - BBRM 101 Blood Mixer 4 Roller	Pieces	1.00
51	<p><u>Hand Operated Tablet Machine</u></p> <ul style="list-style-type: none"> ➤ Material: Aluminum alloy ➤ Colour: Silver ➤ Number of Holes: 12 ➤ Tablet Size: 8mm with Kit Includes: ➤ Pack of 1 SS Spatula, 1 Spray Mist bottle, 1 Hammer, 1 Mortar & Pestle with Tablet Press Machine 	Pieces	1.00
52	<p><u>Disintegration Test Unit Disintegration Test Unit</u></p> <ul style="list-style-type: none"> ➤ Digital Temperature and TimerTablet Disintegration Tester ➤ Splash proof panel with LCD display ➤ Smooth up and down movement ➤ Waterbath for uniform temperature ➤ Fluorescent tube light for better viewing of tablet disintegration With Water Circulation System, ➤ Temperature: 25.0° C To 40.0° C ➤ Accuracy: ± 0.3° C ➤ Power: 230 V 50 Hz. ➤ Heating System 300Watt 230 V, Accuracy ± 0.5° C ➤ Timer: 1 min to 99 hrs 59 mins 59 secs ➤ Strokes: 30 strokes/min ➤ Waterbath : 8 ltrs. 	Pieces	1.00

53	<p>TLC Chromatography</p> <ul style="list-style-type: none"> ❖ Complete unit with; <ul style="list-style-type: none"> ▪ Milipore Sigma TLC Silica Gel 60 Glass plates, 20 x 20 cm; ▪ MilliporeSigma™ Silica Gel 60 F254 Coated Aluminum-Backed TLC Sheets; ▪ DWK Life Sciences Kimble™ Kontes™ Reagent Sprayers with Screw Thread Ground Joint; ▪ Fisherbrand™ Rectangular TLC Developing Tank, Holds 20H x 10mm W plate, Soda Lime; ▪ Fisherbrand™ Porcelain Spot Plates. 	Pieces	1
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PART B: FINANCIAL REQUIREMENTS

PLEASE PROVIDE THIS IN A DIFFERENT ENVELOPE [The financial bid **MUST** be in a separate envelope marked with the tender reference number, tender name, vendor's name and vendor's contact details. The financial bid will only be opened for those bidders who will have qualified in the technical evaluation]

SECTION 1: Price Schedule

BIDDERS NAME	SPECIFICATIONS	TENDER NUMBER	QTY	UNIT PRICE	16% VAT	TOTAL	REMARKS
TOTAL PRICE							

SECTION 2: Delivery Leadtime

BIDDERS NAME	SPECIFICATIONS	TENDER NUMBER	QTY	DELIVERY LEAD TIME	REMARKS
TOTAL					

Note. In case of a discrepancy between the unit price and the total, the unit price shall prevail.

Currency:	Grand Total Bid Price:	Amount in Figures:
		Amount in Words:
Bidder's Name and Address:	Date	Signature and Stamp:

Note: Indicate the breakdown of all taxes applicable.

DECLARATION

I/We have completed this form (s) accurately at the time of reply and it is agreed that all responses can be substantiated, if requested to do so, and that any inaccuracy in the information filled herein will lead to disqualification of the tenderer.

For and on behalf of:

.....

Name:

.....

Date:

.....

Signature:

.....

DELIVERY COMMITMENT FORM

I/We acknowledge the delivery schedule above
[insert: tenderers name]
for the procurement of and do hereby commit
[insert: description and the tender number]
ourselves that we shall deliver these goods withinas stipulated in this tender
document. **[insert: timelines]**

For and on behalf of:

.....

Name:

.....

Date:

.....

Signature:

.....

ANNEX 1: STAGES OF TENDER

PART A

a) Preliminary Evaluation

Tenderers are required to comply with mandatory requirements

- ✓ Bidders who shall not provide any of the documents shall be considered non-responsive and shall not proceed to the next stage(s) of evaluation

b) Technical Evaluation

i. Documents Examination

- ✓ Bidders who will not meet the pass mark(s) as specified shall be considered non-responsive and shall not proceed to the next stage(s) of evaluation

ii. Product Evaluation

- ✓ The technical evaluation shall involve the product evaluation and or samples where applicable

PART B

a) Financial Evaluation & Delivery lead time evaluation

- ✓ Tenderers who are successful at the proceeding stages shall have their prices and delivery period compared and award recommended to the lowest evaluated responsive bid.

b) Contracting

- ✓ If accepting the offer, the successful bidder shall be contracted per the sample standard agreement accessible on the Amref website.