



**UNIVERSITY OF NAIROBI**

**PURCHASE OF EQUIPMENT FOR THE ANIMAL HEALTH INNOVATION  
LABORATORY AT CLINICAL STUDIES DEPARTMENT- USAID FEED  
THE FUTURE GRANT , CAVS**

**TENDER NUMBER: UON/T/25/2020-2021**

**DATE OF NOTICE: WEDNESDAY MAY 12, 2021**

**CLOSING DATE: FRIDAY MAY 21, 2021 AT 10.30AM**

**All correspondence to:**  
PROCUREMENT MANAGER  
P.O. BOX 30197 – 00100 GPO NAIROBI KENYA,  
TEL: 4910000/0204913082  
E-MAIL: [manager-procurement@uonbi.ac.ke](mailto:manager-procurement@uonbi.ac.ke)

**Public Procurement and Asset Disposal Act 2015**

## **SECTION –I INVITATION TO TENDER**

**NOTICE DATE: WEDNSDAY MAY 12, 2021**

**QUOTATION NO: UON/T/25/2020- 2021**

**TENDER NAME: PURCHASE OF EQUIPMENT FOR THE ANIMAL HEALTH INNOVATION LABORATORY AT CLINICAL STUDIES DEPARTMENT- USAID FEED THE FUTURE GRANT, CAVS.**

*The University of Nairobi invites sealed bids from eligible Candidates for purchase of Equipment for the Animal Health innovation Lab at Clinical Studies Department – USAID Feed the Future Grant*

- 1) Prices quoted should be net inclusive of all taxes and delivery and must be in Kenya Shillings, and shall remain valid for (120) days from the date of closing the quotations
- 2) **MANDATORY REQUIREMENTS**

**Bidders MUST provide the following information and provide copies of documents to support the information given;**

- a) **Form of Tender duly filled and signed**
  - b) **Confidential Business Questionnaire duly filled and signed**
  - c) **Complete supplier’s self declaration details in the format provided**
  - d) **Certificate of Incorporation/ Registration**
  - e) **Valid Tax Compliance Certificate**
  - f) **Valid Business Permit**
- 
- 3) The Completed Quotation are to be enclosed in plain sealed envelopes marked with Quotation reference number, name and be deposited in the in the Tender **box** at the reception, **Administration Block, Main Campus or be addressed and posted to Procurement Manager, University of Nairobi P.O Box 30197-00100, Nairobi, Kenya so as to be received on or before FRIDAY MAY 21 , 2021 AT 10.30AM**

**The University of Nairobi reserves the right to accept or reject a bid in whole or in part. Canvassing will lead to automatic disqualification.**

**MARY.M. KARIUKI**  
**Ag.PROCUREMENT MANAGER**

## **INTRODUCTION**

- 1.1 This standard tender document for procurement of goods has been prepared for use by procuring entities in Kenya in the procurement of goods.
- 1.2 The following guidelines should be observed when using the document:-
  - (a) Specific details should be furnished in the Invitation to tender and in the special conditions of contract (where applicable). The tender document issued to tenderers should not have blank spaces or options.
  - (b) The instructions to tenderers and the General Conditions of Contract should remain unchanged. Any necessary amendments to these parts should be made through Appendix to instructions to tenderers and special conditions of contract respectively.
- 1.3
  - a) Information contained in the invitation to tender shall conform to the data and information in the tender documents to enable prospective tenderers to decide whether or not to participate in the tender and shall indicate any important tender requirements
  - b) The invitation to tender shall be as an advertisement in accordance with the regulations or a letter of invitation addressed to tenderers who have been prequalified following a request for prequalification.

## SCHEDULE OF REQUIREMENTS AND PRICES

No	Item	Unit	Qty	Unit Cost (Ksh)	Total Cost (Ksh)
1	Biosafety cabinet- Class II	No	1		
2	Verti™ 96-Well Fast Thermal Cycler	No	1		
3	Elisa Reader	No	1		
4	Bench top Centrifuge	No	1		
5	Ultrapure water purification system	No	1		
6	Bioshaker – Incubator	No	1		
7	Carbon dioxide incubator	No	1		
8	Gel documentation System	No	1		
9	MicroCL 17R Microcentrifuge	No	1		
10	Elispot Reader	No	1		
11	Digital microscope with screen display	No	1		
	<b>Total</b>				

## SPECIFICATIONS

No.	Equipment	Specifications
1	Biosafety cabinet- Class II	<p>(i) <b>Cabinet:</b> Glass Side Wall; Stainless Steel Side Wall; 230 VAC,50/60 Hz</p> <p>(ii) <b>Exhaust Ducting:</b> Anti-blowback Valve 10"; Tri-safe Exhaust Collar with Alarm; Thimble Exhaust Collar</p> <p>(iii) <b>Work Zone:</b> UV Lamp; V Bar; Pre-filter; Single Piece Tray</p> <p>(iv) <b>Electrical Outlet:</b> Direct Mounted / GFCI</p> <p>(v) <b>External Dimensions(W x D x H):</b> 1340 mm X 810 mm X 1400 mm</p> <p>(vi) <b>Gross Internal Dimensions (W x D x H):</b> 1220 mm X 580 mm X 660 mm</p> <p>(vii) <b>Usable Work Area:</b> 0.56 m<sup>2</sup></p> <p>(viii) <b>Average Airflow Velocity:</b> Inflow (0.45 m/s); Down-flow (0.30 m/s)</p> <p>(ix) <b>Airflow Volume:</b> Inflow (46 cmh); Down-flow (738 cmh); Exhaust (346 cmh)</p>
2	Verti™ 96-Well Fast Thermal Cycler	<p>(i) <b>Dimensions:</b> Height: 24.5cm (9.6 in.), Width: 23.7 cm (9.3 in.), Depth: 48.5 cm (19.1 in.)</p> <p>(ii) <b>Display:</b> 6.5 in. VGA 32k color with touch screen</p> <p>(iii) <b>Peak BlockRamp Rate:</b> 5.0°C/sec</p> <p>(iv) <b>Programs:</b> Auto re-start (after power outages), Program overwrite protection</p> <p>(v) <b>Reaction Speed:</b> Fast, Standard</p> <p>(vi) <b>Reaction Volume Range:</b> 10-30 µl</p> <p>(vii) <b>Temperature Range:</b> 4.0-99.9 °C</p> <p>(viii) <b>Tm Calculator:</b> Menu driven through touch screen</p> <p>(ix) <b>Capacity:</b> 1 x 96-well plate, 96 x 0.1 ml tubes</p> <p>(x) <b>Interface:</b> USB</p> <p>(xi) <b>Voltage:</b> 100/240 V</p> <p>(xii) <b>Block Configurations:</b> 96-Well Fast, 0.1 mL, 6-zone VeriFlex</p> <p>(xiii) <b>Temperature Accuracy:</b> ±0.25°C (35°C to 99.9°C)</p> <p>(xiv) <b>Temperature Uniformity:</b> &lt;0.5 °C (20 sec after reaching 95 °C)</p> <p>(xv) <b>Memory:</b> USB and On-board</p> <p>(xvi) <b>High-throughput Compatibility:</b> High-throughput Compatible</p>
3	ELISA Reader	<p>(i) Plate Formats: 96 / 384 Well Plates</p> <p>(ii) <b>Temperature</b> Range: Optional Up to 50 °C</p> <p>(iii) Optical System: Filters</p> <p>(iv) Light Source: Quartz-halogen lamp</p> <p>(v) Method:By filters</p> <p>(vi) Precision:CV ≤0.2% (0.3 to 3 Abs)</p> <p>(vii) Accuracy:±1% (0 to 3 Abs) or ±0.003 Abs, whichever is greater</p> <p>(viii) Detector:Photodetector</p> <p>(ix) Resolution:0.001 Abs</p> <p>(x) Wavelength(s):340 - 850 nm</p> <p>(xi) Measurement Time: 7 seconds (96 Wells Fast Mode)/13 seconds (96 Wells Normal Mode) 13 seconds (384 Wells Fast Mode)/34 seconds (384 Wells Normal Mode)</p>

No.	Equipment	Specifications
4	Bench top Centrifuge	<p><b>(i) XTR Centrifuge:</b></p> <ul style="list-style-type: none"> <li>• CFC-free refrigeration system</li> <li>• Temperature Range: -10° to +40°C</li> <li>• Pre-Cooling Function with direct button</li> <li>• 26.4L x 29.3W x 14.2in.H [35.4in.H open] (67 x 74.5 x 36cm [90cm open])</li> <li>• Net weight: 255.7 lb. (116kg)</li> </ul> <p><b>(ii) TX-1000 Rotor</b></p> <ul style="list-style-type: none"> <li>• Spin up to 40 x 50mL conical tubes, 196 blood tubes or 24 microplates</li> <li>• Slide Coat</li> <li>• Dual-purpose large bucket design</li> </ul> <p><b>(iii) HIGHConic Fixed Angle Rotor</b></p> <ul style="list-style-type: none"> <li>• <b>Capacity:</b> 6 x 94mL (0.5L)</li> <li>• <b>Material:</b> Aluminum</li> <li>• <b>Max. Speed/RCF:</b> 10,350rpm/15,090 x g</li> </ul> <p><input type="checkbox"/> set of 4 adapters 10 x 50mL conical (75003674)</p> <p><input type="checkbox"/> Set of 4 adapters 24 x 15mL conical</p>
5	Ultrapure Water Purification System	<p><b>(i) Resistivity at 25 °C:</b> 18.2 MΩ·cm</p> <p><b>(ii) Particles:</b> No particles with size &gt; 0.22 μm</p> <p><b>(iii) Flow rate:</b> Up to 2 L/min</p> <p><b>(iv) Bacteria:</b> &lt; 0.01 CFU/mL</p> <p><b>(v) Pyrogens (endotoxins):</b> &lt; 0.001 EU/mL</p> <p><b>(vi) RNases:</b> &lt; 1 pg/mL</p> <p><b>(vii) DNases:</b> &lt; 5 pg/mL</p> <p><b>(viii) Proteases:</b> &lt; 0.15 μg/mL</p> <p><b>(ix) Pressure:</b> 1 – 6 bar</p> <p><b>(x) Conductivity:</b> &lt; 2000 μS/cm at 25 °C</p> <p><b>(xi) Temperature:</b> 5 – 35 °C / 41 – 95 F</p> <p><b>(xii) Electric power source voltage:</b> 100 – 240 V ± 10%</p> <p><b>(xiii) Electric power source frequency:</b> 50 – 60 Hz ± 10%</p> <p><b>(xiv) 25 L Dimensions (H x W x D):</b> 503 x 400 x 415 mm (19.8 x 15.7 x 16.3 in)</p> <p><b>(xv) Operating weight:</b> 31.7 kg</p> <p><b>(xvi) Electrical connection:</b> Powered by purification unit (24 – 28 VDC)</p>

No.	Equipment	Specifications
6	Bioshaker-Incubator	<p><b>(i) Shaking motion:</b> Orbital</p> <p><b>(ii) Temp control accuracy:</b></p> <p><b>(iii) Speed range:</b> 20 to 300r/min (200r/min at the upper of stacked units)</p> <p><b>(iv) Shaking width:</b> 25mm</p> <p><b>(v) Capacity:</b> Universal shaking platform: MT4430; Erlenmeyer flask</p>

		<p>500ml x8</p> <p><b>(vi) Door type:</b> Double hinged door (Rightward/Leftward open)</p> <p><b>(vii) Maximum load: approx. 7 Kg</b> (Platform &amp; vessel holder included)</p> <p><b>(viii) Ambient temperature range:</b> 5°C to 35°C</p> <p><b>(ix) Heating method:</b> Heater 800W</p> <p><b>(x) Cooling method: Compressor 140W</b></p> <p><b>(xi) Dimension (WXDXH):</b> 600mm X 686 mm X 643</p>																												
7	Carbon dioxide incubator	<table border="0"> <tr> <td><b>(i) Data Outputs</b></td> <td>USB, and optional 4-20mA</td> </tr> <tr> <td><b>(ii) Description</b></td> <td>Single 184L incubator</td> </tr> <tr> <td><b>(iii) Capacity (Metric)</b></td> <td>184 L</td> </tr> <tr> <td><b>(iv) Chamber Material</b></td> <td>Polished Stainless Steel</td> </tr> <tr> <td><b>(v) Dimensions (D x W x H) Interior</b></td> <td>20.0 x 21.3 x 26.8 in. (50.8 x 54.1 x 68.1 cm)</td> </tr> <tr> <td><b>(vi) Dimensions (L x W x H)</b></td> <td>25 x 26 x 39.5 in. (63.5 x 66 x 100.3 cm)</td> </tr> <tr> <td><b>(vii) Temperature Range (Metric)</b></td> <td>Ambient +5°C to 50°C</td> </tr> <tr> <td><b>(viii) Relative Humidity</b></td> <td>&lt;90% at 37°C</td> </tr> <tr> <td><b>(ix) Material</b></td> <td>Stainless Steel</td> </tr> <tr> <td><b>(x) Electrical Requirements</b></td> <td>230 V, 50/60 Hz</td> </tr> <tr> <td><b>(xi) Weight (English)</b></td> <td>365 lb.</td> </tr> <tr> <td><b>(xii) CO2 Sensor Technology</b></td> <td>TC Sensor</td> </tr> <tr> <td><b>(xiii) Lighting</b></td> <td>LED</td> </tr> <tr> <td><b>(xiv) CO2 Concentration Range</b></td> <td>0 to 20%</td> </tr> </table>	<b>(i) Data Outputs</b>	USB, and optional 4-20mA	<b>(ii) Description</b>	Single 184L incubator	<b>(iii) Capacity (Metric)</b>	184 L	<b>(iv) Chamber Material</b>	Polished Stainless Steel	<b>(v) Dimensions (D x W x H) Interior</b>	20.0 x 21.3 x 26.8 in. (50.8 x 54.1 x 68.1 cm)	<b>(vi) Dimensions (L x W x H)</b>	25 x 26 x 39.5 in. (63.5 x 66 x 100.3 cm)	<b>(vii) Temperature Range (Metric)</b>	Ambient +5°C to 50°C	<b>(viii) Relative Humidity</b>	<90% at 37°C	<b>(ix) Material</b>	Stainless Steel	<b>(x) Electrical Requirements</b>	230 V, 50/60 Hz	<b>(xi) Weight (English)</b>	365 lb.	<b>(xii) CO2 Sensor Technology</b>	TC Sensor	<b>(xiii) Lighting</b>	LED	<b>(xiv) CO2 Concentration Range</b>	0 to 20%
<b>(i) Data Outputs</b>	USB, and optional 4-20mA																													
<b>(ii) Description</b>	Single 184L incubator																													
<b>(iii) Capacity (Metric)</b>	184 L																													
<b>(iv) Chamber Material</b>	Polished Stainless Steel																													
<b>(v) Dimensions (D x W x H) Interior</b>	20.0 x 21.3 x 26.8 in. (50.8 x 54.1 x 68.1 cm)																													
<b>(vi) Dimensions (L x W x H)</b>	25 x 26 x 39.5 in. (63.5 x 66 x 100.3 cm)																													
<b>(vii) Temperature Range (Metric)</b>	Ambient +5°C to 50°C																													
<b>(viii) Relative Humidity</b>	<90% at 37°C																													
<b>(ix) Material</b>	Stainless Steel																													
<b>(x) Electrical Requirements</b>	230 V, 50/60 Hz																													
<b>(xi) Weight (English)</b>	365 lb.																													
<b>(xii) CO2 Sensor Technology</b>	TC Sensor																													
<b>(xiii) Lighting</b>	LED																													
<b>(xiv) CO2 Concentration Range</b>	0 to 20%																													
8	Gel Documentation System	<p><b>(i)</b> UV-transilluminator: 26M, 26MX (Uvipure), 26LMX (dual Uvip.), 20Blue</p> <p><b>(ii)</b> Optics</p> <p><b>(iii)</b> 16-bit camera</p> <p><b>(iv)</b> 4 Dynamic range (OD)</p> <p><b>(v)</b> F/1.2 scientific zoom lens</p> <p><b>(vi)</b> Passive cooling system</p> <p><b>(vii)</b> Lighting &amp; illuminations</p> <p><b>(viii)</b> Full door aperture and slide- out transilluminator</p>																												
9	MicroCL 17R Microcentrifuge	<ul style="list-style-type: none"> <li>• Max. Speed: 13,300rpm</li> <li>• Max. RCF: 17,000 x g</li> <li>• Hertz: 50/60 Hz</li> <li>• Voltage: 230 V</li> <li>• Noise Level: 50dbA</li> <li>• Temperature Range: -9° to +40°C</li> </ul>																												

		<ul style="list-style-type: none"> <li>• Type: Benchtop Centrifuge</li> <li>• Includes Dual Row 18 x 2.0/0.5mL rotor with screw-onlid</li> <li>• Description MicroCL 17R Centrifuge, Refrigerated</li> <li>• Electrical Requirements 230V 50/60Hz</li> <li>• Run Time 1 to 99min (1min increments); HOLD</li> <li>• Dimensions (HWD) 12.9 x 11.6 x 17.5in. (33.0 x 29.5 x 44.5cm)</li> </ul>
10	Elispot Reader	<ul style="list-style-type: none"> <li>(i) <b>PC system:</b> High-end PC with Intel Core2 duo processor, 19" screen</li> <li>(ii) <b>Illumination:</b> Evenly spread, long life LED ring illumination</li> <li>(iii) <b>Camera resolution and control:</b> 5 Megapixel, color, firewire-connected</li> <li>(iv) <b>Power input:</b> 250 mA @ 230 V/ 500 mA @ 110V</li> <li>(v) <b>Footprint:</b> 430x430x260 mm (Peripherals not included)</li> <li>(vi) <b>Operating system:</b> Windows 10 Professional (32/ 64 bit)</li> <li>(vii) <b>AID software:</b> AID EliSpot 7.x</li> <li>(viii) <b>MS Office Version:</b> MS Office 2010Professional</li> <li>(ix) <b>Burning Software:</b> Nero 9.x</li> <li>(x) <b>Software solutions:</b> AID EliStat, AIDiagnostics</li> <li>(xi) <b>Plate formats:</b> 96-well plates</li> </ul>
11	Digital microscope with screen display	<ul style="list-style-type: none"> <li>(a). Microscope specifications <ul style="list-style-type: none"> <li>(i) <b>Head:</b> Trinocular head with interpupiliary adjustment and diopter adjustment</li> <li>(ii) <b>Eyepieces:</b> Pair 10X widefield eyepieces FN 20</li> <li>(iii) <b>Objectives:</b> 4x NA 0.10, 10x NA 0.25, 40x NA 0.65, 100x NA 1.25 oil</li> <li>(iv) <b>Stage:</b> Double layer mechanical stage 152 x 132 mm</li> <li>(v) <b>Focus Mechanism:</b> Coaxial coarse and fine focus knobs</li> <li>(vi) <b>Condenser:</b> Abbe condenser</li> <li>(vii) <b>Illumination:</b> 3W LED adjustable intensity. Auto-off eco mode function</li> </ul> </li> <li>(b). Display camera specifications <ul style="list-style-type: none"> <li>(i) <b>Outputs:</b> HDMI 1080P- SD card slot for images and video</li> <li>(ii) <b>Resolution:</b> 1920 x 1080 (2,073,600 pixels)</li> <li>(iii) <b>Sensor:</b> Sony 1/2.8" 2.9um x 2.9um pixel size Rolling Shutter</li> <li>(iv) <b>White Balance:</b> Automatic and Manual</li> <li>(v) <b>Exposure:</b> Automatic and Manual</li> </ul> </li> </ul>

**NB: The award may be done for per each item/ equipment**



## STAGE 1: PRELIMINARY EVALUATION CHECKLIST

The following mandatory preliminary requirements **must** be met not withstanding other requirements in the tender document.

No.	Criterion	Submitted	
		YES	NO
MR 1	Must Fill the Form of Tender in the format provided.		
MR 2	Must submit a dully filled Confidential Business Questionnaire in the format provided.		
MR3	Complete supplier's self declaration details in the format provided		
MR4	Certificate of Incorporation/ Registration		
MR5	Valid Tax Compliance Certificate		
MR6	Valid Business Permit		

Bidder must comply with all the above requirements so as to proceed to the second stage of technical evaluation on capacity to deliver the contract.

## STAGE 2: TECHNICAL EVALUATION RESPONSE

Bidders will be evaluated on suitability based on the specifications provided.

NO.	CRITERIA	Supplier Response	Yes	No
1.	<b>Biosafety cabinet- Class II</b>			
i	<b>Cabinet:</b> Glass Side Wall; Stainless Steel Side Wall; 230 VAC,50/60 Hz			
ii	<b>Exhaust Ducting:</b> Anti-blowback Valve 10"; Tri-safe Exhaust Collar with Alarm; Thimble Exhaust Collar			
iii	<b>Work Zone:</b> UV Lamp; V Bar; Pre-filter; Single Piece Tray			
iv	<b>Electrical Outlet:</b> Direct Mounted / GFCI			
v	<b>External Dimensions(W x D x H):</b> 1340 mm X 810 mm X 1400 mm			
vi	<b>Gross Internal Dimensions (W x D x H):</b> 1220 mm X 580 mm X 660 mm			

vii	<b>Usable Work Area:</b> 0.56 m <sup>2</sup>			
viii	<b>Average Airflow Velocity:</b> Inflow (0.45 m/s); Down-flow (0.30 m/s)			
ix	<b>Airflow Volume:</b> Inflow (46 cmh); Down-flow (738 cmh); Exhaust (346 cmh)			
x	Delivery Period to be indicated			
xi	Warranty			
xii	At least two (2) suppliers supplied with similar goods (Attach proof) i.e LPO, award letter,			

NO.	CRITERIA	Supplier Response	Yes	No
2.	<b>Verti™ 96-Well Fast Thermal Cycler</b>			
i	<b>Dimensions:</b> Height: 24.5cm (9.6 in.), Width: 23.7 cm (9.3 in.), Depth: 48.5 cm (19.1 in.)			
ii	<b>Display:</b> 6.5 in. VGA 32k color with touch screen			
iii	<b>Peak Block Ramp Rate:</b> 5.0°C/sec			
iv	<b>Programs:</b> Auto re-start (after power outages), Program overwrite protection			
v	<b>Reaction Speed:</b> Fast, Standard			
vi	<b>Reaction Volume Range:</b> 10-30 µl			
vii	<b>Temperature Range:</b> 4.0-99.9 °C			
viii	<b>Tm Calculator:</b> Menu driven through touch screen			
ix	<b>Capacity:</b> 1 x 96-well plate, 96 x 0.1 ml tubes			
x	<b>Interface:</b> USB			
xi	<b>Voltage:</b> 100/240 V			
xii	<b>Block Configurations:</b> 96-Well Fast, 0.1 mL, 6-zone VeriFlex			
xiii	<b>Temperature Accuracy:</b> ±0.25°C (35°C to 99.9°C)			

xiv	<b>Temperature Uniformity:</b> <0.5 °C (20 sec after reaching 95 °C)			
xv	<b>Memory:</b> USB and On-board			
xvi	<b>High-throughput Compatibility:</b> High-throughput Compatible			
xvii	Delivery Period to be indicated			
xviii	Warranty			
xix	At least two (2) suppliers supplied with similar goods (Attach proof) i.e LPO, award letter			

NO.	CRITERIA	Supplier Response	Yes	No
3.	<b>Elisa Reader</b>			
i	Plate Formats: 96 / 384 Well Plates			
ii	<b>Temperature</b> Range: Optional Up to 50 °C			
iii	Optical System: Filters			
iv	Light Source: Quartz-halogen lamp			
v	Method:By filters			
vi	Precision:CV ≤0.2% (0.3 to 3 Abs)			
vii	Accuracy:±1% (0 to 3 Abs) or ±0.003 Abs, whichever is greater			
viii	Detector:Photodetector			
ix	Resolution:0.001 Abs			
x	Wavelength(s):340 - 850 nm			
xi	Measurement Time: 7 seconds (96 Wells Fast Mode)/13 seconds (96 Wells Normal Mode)			
xii	Delivery Period to be indicated			
xiii	Warranty			
xiv	At least two (2) suppliers supplied with similar goods (Attach proof) i.e LPO, award letter			

NO.	CRITERIA	Supplier Response	Yes	No
4.	<b>Bench top Centrifuge</b>			
i	<b>XTR Centrifuge</b> <ul style="list-style-type: none"> <li>• CFC-free refrigeration system</li> <li>• Temperature Range: -10° to +40°C</li> <li>• Pre-Cooling Function with direct button</li> <li>• 26.4L x 29.3W x 14.2in.H [35.4in.H open] (67 x 74.5 x 36cm [90cm open])</li> <li>• Net weight: 255.7 lb. (116kg)</li> </ul>			
ii	<b>TX-1000 Rotor</b> <ul style="list-style-type: none"> <li>• Spin up to 40 x 50mL conical tubes, 196 blood tubes or 24 microplates</li> <li>• Slide Coat</li> <li>• Dual-purpose large bucket design</li> </ul>			
iii	<b>HIGH Conic Fixed Angle Rotor</b> <ul style="list-style-type: none"> <li>• <b>Capacity:</b> 6 x 94mL (0.5L)</li> <li>• <b>Material:</b> Aluminum</li> <li>• <b>Max. Speed/RCF:</b> 10,350rpm/15,090 x g</li> <li><input type="checkbox"/> set of 4 adapters 10 x 50mL conical (75003674)</li> <li><input type="checkbox"/> Set of 4 adapters 24 x 15mL conical</li> </ul>			
iv	Delivery Period to be indicated			
v	Warranty			
vi	At least two (2) suppliers supplied with similar goods (Attach proof) i.e LPO, award letter			

NO.	CRITERIA	Supplier Response	Yes	No
5.	<b>Ultrapure Water Purification System</b>			
i	<b>Resistivity at 25 °C:</b> 18.2 MΩ·cm			
ii	<b>Particles:</b> No particles with size > 0.22 μm			
iii	<b>Flow rate:</b> Up to 2 L/min			
iv	<b>Bacteria:</b> < 0.01 CFU/mL			
v	<b>Pyrogens (endotoxins):</b> < 0.001 EU/mL			
vi	<b>RNases:</b> < 1 pg/mL			
vii	<b>DNases:</b> < 5 pg/mL			
viii	<b>Proteases:</b> < 0.15 μg/mL			
ix	<b>Pressure:</b> 1 – 6 bar			
x	<b>Conductivity:</b> < 2000 μS/cm at 25 °C			
xi	<b>Temperature:</b> 5 – 35 °C / 41 – 95 F			
xii	<b>Electric power source voltage:</b> 100 – 240 V ± 10%			
xiii	<b>Electric power source frequency:</b> 50 – 60 Hz ± 10%			
xiv	<b>25 L Dimensions (H x W x D):</b> 503 x 400 x 415 mm (19.8 x 15.7 x 16.3 in)			
xv	<b>Operating weight:</b> 31.7 kg			
xvi	<b>Electrical connection:</b> Powered by purification unit (24 – 28 VDC)			
xvii	Delivery Period to be indicated			
xviii	Warranty			
xix	At least two (2) suppliers supplied with similar goods (Attach proof) i.e LPO, award letter			

NO.	CRITERIA	Supplier Response	Yes	No
6.	<b>Bioshaker – Incubator</b>			
i	<b>Shaking motion:</b> Orbital			
ii	<b>Temp control accuracy:</b>			
iii	<b>Speed range:</b> 20 to 300r/min (200r/min at the upper of stacked units)			
iv	<b>Shaking width:</b> 25mm			
v	<b>Capacity:</b> Universal shaking platform:MT4430; Erlenmeyer flask 500ml x8			
vi	<b>Door type:</b> Double hinged door (Rightward/Leftward open)			
vii	<b>Maximum load: approx. 7 Kg</b> (Platform & vessel holder included)			
viii	<b>Ambient temperature range:</b> 5°C to 35°C			
ix	<b>Heating method:</b> Heater 800W			
x	<b>Cooling method: Compressor 140W</b>			
xi	<b>Dimension (WDXH):</b> 600mm x 686 mm x 643			
xii	Delivery Period to be indicated			
xiii	Warranty			
xiv	At least two (2) suppliers supplied with similar goods (Attach proof) i.e LPO, award letter			

NO.	CRITERIA	Supplier Response	Yes	No
7.	<b>Carbon dioxide Incubator</b>			
i	<b>Data Outputs</b> USB, and optional 4-20mA			
ii	<b>Description</b> Single 184L incubator			
iii	<b>Capacity (Metric)</b> 184 L			
iv	<b>Chamber Material</b> Polished Stainless Steel			
v	<b>Dimensions (D x W x H) Interior</b> 20.0 x 21.3 x 26.8 in. (50.8 x 54.1 x 68.1 cm)			
vi	<b>Dimensions (L x W x H)</b> 25 x 26 x 39.5 in. (63.5 x 66 x 100.3 cm)			
vii	<b>Temperature Range (Metric)</b> Ambient +5°C to 50°C			
viii	<b>Relative Humidity</b> <90% at 37°C			
ix	<b>Material</b> Stainless Steel			
x	<b>Electrical Requirements</b> 230 V, 50/60 Hz			
xi	<b>Weight (English)</b> 365 lb.			
xii	<b>CO2 Sensor Technology</b> TC Sensor			
xiii	<b>Lighting</b> LED			
xiv	<b>CO2 Concentration Range</b> 0 to 20%			
xv	Delivery Period to be indicated			
xvi	Warranty			
xvii	At least two (2) suppliers supplied with similar goods (Attach proof) i.e LPO, award letter			

NO.	CRITERIA	Supplier Response	Yes	No
8.	<b>Gel Documentation System</b>			
i	UV-transilluminator: 26M, 26MX (Uvipure), 26LMX (dual Uvip.), 20Blue			
ii	Optics			
iii	16-bit camera			
iv	4 Dynamic range (OD)			
v	F/1.2 scientific zoom lens			
vi	Passive cooling system			
vii	Lighting & illuminations			
viii	Full door aperture and slide- out transilluminator			
ix	Delivery Period to be indicated			
x	Warranty			
xi	At least two (2) suppliers supplied with similar goods (Attach proof) i.e LPO, award letter			



NO.	CRITERIA	Supplier Response	Yes	No
9.	<b>MicroCL 17R Microcentrifuge</b>			
i	• Max. Speed: 13,300rpm			
ii	• Max. RCF: 17,000 x g			
iii	• Hertz: 50/60 Hz			
iv	• Voltage: 230 V			
v	• Noise Level: 50dbA			
vi	• Temperature Range: -9° to +40°C			
vii	• Type: Benchtop Centrifuge			
viii	• Includes :Dual Row 18 x 2.0/0.5mL rotor with screw-onlid			
ix	• Description MicroCL 17R Centrifuge, Refrigerated			
x	• Electrical Requirements 230V 50/60Hz			
xi	• Run Time 1 to 99min	(1min		
xii	• Dimensions (HWD) 12.9 x 11.6 x 17.5in. (33.0 x 29.5 x 44.5cm)			
xiii	Delivery Period to be indicated			
xiv	Warranty			
xv	At least two (2) suppliers supplied with			

NO.	CRITERIA	Supplier Response	Yes	No
10.	<b>Elispot Reader</b>			
i	<b>PC system:</b> High-end PC with Intel Core2 duo processor, 19” screen			
ii	<b>Illumination:</b> Evenly spread, long life LED ring illumination			
iii	<b>Camera resolution and control:</b> 5 Megapixel, color, firewire-connected			
iv	<b>Power input:</b> 250 mA @ 230 V/ 500 mA @ 110V			
v	<b>Footprint:</b> 430x430x260 mm (Peripherals not included)			
vi	<b>Operating system:</b> Windows 10 Professional (32/ 64 bit)			
vii	<b>AID software:</b> AID EliSpot 7.x			
viii	<b>MS Office Version:</b> MS Office 2010Professional			
ix	<b>Burning Software:</b> Nero 9.x			
x	<b>Software solutions:</b> AID EliStat,			
xi	<b>Plate formats:</b> 96-well plates			
xii	Delivery Period to be indicated			
xiii	Warranty			
xiv	At least two (2) suppliers supplied with similar goods (Attach proof) i.e LPO, award letter			

NO.	CRITERIA	Supplier Response	Yes	No
11.	<b>Digital microscope with screen display</b>			
i	<b>Head:</b> Trinocular head with interpupillary adjustment and diopter adjustment			
ii	<b>Eyepieces:</b> Pair 10X widefield eyepieces FN 20			
iii	<b>Objectives:</b> 4x NA 0.10, 10x NA 0.25, 40x NA 0.65, 100x NA 1.25 oil			
iv	<b>Stage:</b> Double layer mechanical stage 152 x 132 mm			
v	<b>Focus Mechanism:</b> Coaxial coarse and fine focus knobs			
vi	<b>Condenser:</b> Abbe condenser			
vii	<b>Illumination:</b> 3W LED adjustable intensity. Auto-off eco mode function			
<b>Display camera specifications</b>				
i	<b>Outputs:</b> HDMI 1080P- SD card slot for			
ii	<b>Resolution:</b> 1920 x 1080 (2,073,600 pixels)			
iii	<b>Sensor:</b> Sony 1/2.8" 2.9um x 2.9um pixel			
iv	<b>White Balance:</b> Automatic and Manual			
v	<b>Exposure:</b> Automatic and Manual			
Vii	Delivery Period to be indicated			
vii	Warranty			
viii	At least two (2) suppliers supplied with			

- i. Bidders to comply with all the provisions (Yes)
- ii. The bidder to paginate their quotation document from cover to cover.

### **STAGE 3: FINANCIAL EVALUATION**

Financial evaluation will be conducted as follows;

- i) Determination of evaluated price.
- ii) The tenderer with the lowest evaluated bid will be considered for award

### **STAGE 4: Due Diligence**

The procuring entity prior to award of the tender **MAY** carry out due diligence to verify the accuracy of the information provided and past performance of the lowest evaluated tenderer. Any inconsistencies noted in any of the above requirements and unsatisfactory performance shall lead to automatic disqualification and the second lowest evaluated tender shall be considered for award.

**SUPPLIER’S SELF DECLARATION:**

**SELF DECLARATION THAT THE PERSON/ TENDERER WILL NOT ENGAGE IN ANY CORRUPT OR FRAUDULENT PRACTICE.**

I.....of P.O Box .....being a resident of .....in the Republic of .....do hereby  
Make a statement as follows;

1. That I am the Chief Executive/ Managing Director/ Principal officer/ Director of.....( insert the name of the Company) who is a bidder in respect of Tender No.....for.....(insert tender title/description) for .....( insert name of the Procuring entity) and duly authorized and competent to make this statement.
2. THAT the aforesaid Bidder, its servant and / or agents/ subcontractors will not engage in any corrupt or fraudulent practice and has not been requested to pay any inducement to any member of the Board , Management , Staff and /or employees and/or agents of.....( insert name of the Procuring entity) which is the procuring entity.
3. THAT the aforesaid Bidder , its servant and/or agents/subcontractors have not offered any inducement to any member of the Board, Management, Staff and/or employees and/or agents .....( name of the procuring entity)
4. THAT the aforesaid Bidder will not engage/has not engaged in any corruptive practice with other bidders participating in the subject tender.
5. THAT what is deponed to hereinabove is true to the best of my knowledge information and belief.

Title:.....Signature.....Date:.....

Bidder’s Official Stamp

## SECTION IV - STANDARD FORMS

### Notes on the sample Forms

1. **Form of Tender** -The form of tender **must be completed by the tenderer** and submitted with the tender documents. It must also be duly signed by duly authorized representatives of the tenderer.
2. **Confidential Business Questionnaire Form** - This form **must be completed by the tenderer** and submitted with the tender documents.
3. **Contract Form** - The Contract Form **shall not be completed by the tenderer at the time of submitting the tender.** The Contract Form shall be completed after contract award and should incorporate the accepted contract price.
4. **Performance Security Form**- **The performance security form should not be completed by the tenderers at the time of tender preparation.** Only the successful tenderer will be required to provide performance security in the form provided herein or in another form acceptable to the procuring entity.

**3.1 FORM OF TENDER**

Date \_\_\_\_\_

Tender No. \_\_\_\_\_

To: \_\_\_\_\_

\_\_\_\_\_  
*[name and address of procuring entity]*

Gentlemen and/or Ladies:

1. Having examined the tender documents including Addenda Nos. .... *[insert numbers]*.the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply deliver, install and commission ( ..... *(insert equipment description)* in conformity with the said tender documents for the sum of Kshs.....  
.....  
..... *(total tender amount in words and figures)* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.

2. We undertake, if our Tender is accepted, to deliver install and commission the equipment in accordance with the delivery schedule specified in the Schedule of Requirements.

3. If our Tender is accepted, we will obtain the guarantee of a bank in a sum of equivalent to \_\_\_\_\_ percent of the Contract Price for the due performance of the Contract , in the form prescribed by .....*( Procuring entity)*.

4. We agree to abide by this Tender for a period of ..... *[number]* days from the date fixed for tender opening of the Instructions to tenderers, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

5. This Tender, together with your written acceptance thereof and your notification of award, shall constitute a Contract, between us. Subject to signing of the Contract by the parties.

6. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

\_\_\_\_\_  
[signature]

\_\_\_\_\_  
[in the capacity of]

Duly authorized to sign tender for an on behalf of \_\_\_\_\_

### 3.2 CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM

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

You are advised that it is a serious offence to give false information on this form

<i>Part 1 – General:</i>				
Business Name .....				
Location of business premises. .....				
Plot No..... Street/Road .....				
Postal Address ..... Tel No. .... Fax ..... E mail .....				
Nature of Business,.....				
Registration Certificate No. .... Pin No.....				
Business permit No..... Business Permit Expiry Date.....				
Tax Compliance Certificate No.....				
Maximum value of business which you can handle at any one time – Kshs. -----				
Name of your bankers ..... Branch .....				
<b>Part 2 (a) – Sole Proprietor</b>				
Your name in full ..... Age .....				
Nationality ..... Country of origin .....				
• Citizenship details.....				
<b>Part 2 (b) Partnership</b>				
Given details of partners as follows:				
	Name	Nationality	Citizenship Details	Shares
1	.....	.....	.....	.....
2	.....	.....	.....	.....
3	.....	.....	.....	.....
4	.....	.....	.....	.....
<b>Part 2 (c) – Registered Company</b>				
Private or Public .....				
State the nominal and issued capital of company-				
Nominal Kshs. ....				
Issued Kshs. ....				
Given details of all directors as follows				
	Name	Nationality	Citizenship Details	Shares
1.	.....	.....	.....	.....
2.	.....	.....	.....	.....
3.	.....	.....	.....	.....
4.	.....	.....	.....	.....
Date ..... Signature of Candidate .....				

(b) If a Kenya Citizen, indicate under “Citizenship Details” whether by Birth, Naturalization or registration.



### 3.3 CONTRACT FORM

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_ between ..... [*name of Procurement entity*] of ..... [*country of Procurement entity*] (hereinafter called “the Procuring entity) of the one part and ..... [*name of tenderer*] of ..... [*city and country of tenderer*] (hereinafter called “the tenderer”) of the other part;

WHEREAS the Procuring entity invited tenders for certain goods ] and has accepted a tender by the tenderer for the supply of those goods in the sum of ..... [*contract price in words and figures*] (hereinafter called “the Contract Price).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to:
2. The following documents shall be deemed to form and be read and construed as part of this Agreement viz:
  - (a) the Tender Form and the Price Schedule submitted by the tenderer
  - (b) the Schedule of Requirements
  - (c) the Technical Specifications
  - (d) the General Conditions of Contract
  - (e) the Special Conditions of contract; and
  - (f) the Procuring entity’s Notification of Award
3. In consideration of the payments to be made by the Procuring entity to the tenderer as hereinafter mentioned, the tender hereby covenants with the Procuring entity to provide the goods and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The Procuring entity hereby covenants to pay the tenderer in consideration of the provisions of the goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the Procuring entity

Signed, sealed, delivered by \_\_\_\_\_ the \_\_\_\_\_ (for the tenderer in the presence of \_\_\_\_\_

**3.4 PERFORMANCE SECURITY FORM**

To .....  
[Name of procuring entity]

WHEREAS ..... [name of tenderer] (hereinafter called “the tenderer”) has undertaken , in pursuance of Contract No. \_\_\_\_\_  
\_\_\_\_\_ [reference number of the contract] dated \_\_\_\_\_ 20 \_\_\_\_\_  
\_\_\_\_\_ to supply ..... [description of goods] (hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the tenderer shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Tenderer’s performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the tenderer a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the tenderer, up to a total of ..... [amount of the guarantee in words and figure] and we undertake to pay you, upon your first written demand declaring the tenderer to be in default under the Contract and without cavil or argument, any sum or sums within the limits of ..... [amount of guarantee] as aforesaid, without you needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

Signed and seal of the Guarantors

\_\_\_\_\_  
[name of bank or financial institution]

\_\_\_\_\_  
[address]

\_\_\_\_\_  
[date]

**3.5 LETTER OF NOTIFICATION OF AWARD**

Address of Procuring Entity

\_\_\_\_\_  
\_\_\_\_\_

To: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RE: Quotation No. \_\_\_\_\_

Tender Name \_\_\_\_\_

This is to notify that the contract/s stated below under the above mentioned tender have been awarded to you.

\_\_\_\_\_  
\_\_\_\_\_

1. Please acknowledge receipt of this letter of notification signifying your acceptance.
2. The contract/contracts shall be signed by the parties within 30 days of the date of this letter but not earlier than 14 days from the date of the letter.
3. You may contact the officer(s) whose particulars appear below on the subject matter of this letter of notification of award.

*(FULL PARTICULARS)* \_\_\_\_\_  
\_\_\_\_\_

SIGNED FOR ACCOUNTING OFFICER