

التاريخ: 16/08/2023

Q320.2023

رقم الاستدراج:

السادة: .....

تلفون: .....

إيميل: .....

BR2223-0000

استدراج عروض أسعار: الرجاء تزويدنا بأسعار اللوازم التالية شامل لضريبة القيمة المضافة:

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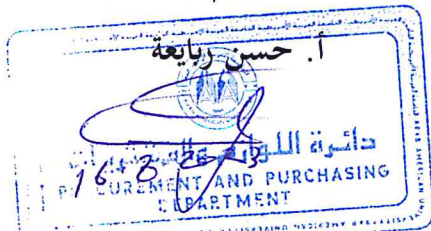




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	دولار	المجموع الكلي (ش.ض)			

تعليمات الاستدراج		ختم وتوقيع المورد:	
**	آخر موعد لتسليم العروض هو يوم:	الأربعاء	
**	الموافق:	23/08/2023	
**	طبيعة البنود المطلوبة:	أجهزة طبية ومخبرية	
**	بعملة:	دولار	
**	الأسعار تشمل التوصيل ل:	حرم رام الله	
**	نوع التوريد:	توريد كامل	
**	يرجى إرسال العرض ب:	بالظرف المغلق	
شروط الاستدراج:			
**	ضرورة تحديد مدة الكفالة إن وجدت.		
**	تقديم كفالة حسن تنفيذ بقيمة 10% من اجمالي قيمة عرض السعر		
**	ضرورة تحديد تاريخ التوريد لكل بند بشكل منفصل من تاريخ استلام امر الشراء، وفي حال عدم الالتزام يتم فرض غرامة تأخير .		
**	ختم وتوقيع المورد المعتمد على هذا النموذج، وكتابة رقم الاستدراج واسم الشركة كما هو مسجل لدى الضريبة على الظرف.		
**	للمرجعة والاستفسار بخصوص المواصفات يرجى الاتصال على هاتف 042418888 رقم داخلي 1481		
**	للمرجعة والاستفسار بخصوص المواصفات عن طريق فاكس 042510972 أو بريد الكتروني manal.daraghmah@aaup.edu		
**	لمشاهدة العطاءات والاستدراجات، يرجى الدخول الى الرابط <a href="http://www.aaup.edu/tenders">http://www.aaup.edu/tenders</a>		

مدير دائرة اللوازم و المشتريات



### Item #1: ELISA Reader

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

**Application:**

- Designed for wide applicability in life science research and diagnostics

**Compatibility:**

- Open system design allows compatibility with various ELISA kits
- Capable of reading 6-, 12-, 24-, 48-, and 96-well microplates in flat, U, and V shapes

**Automation:**

- Fully automatic ELISA microplate reader

**Reading Methods:**

- Read Methods: Endpoint and kinetic assays

**Filter and Wavelength Range:**

- Equipped with a selection of 5 filters or more, spanning between 400 - 750 nm

**Light Source:**

- Long-life LED light source
- A photodiode or photomultiplier tube (PMT) detection system

**Photometric Range:**

- Photometric range: 0.0–3.5 Optical Density (OD)

**Accuracy:**

- Accuracy:  $\leq 1.0\%$  or 0.010 from 0.000–3.000 OD at 490 nm

**Linearity:**

- Linearity:  $\leq 1.0\%$  from 0.0–2.0 OD;  $\leq 2.0\%$  from 0.0–3.0 OD

**Resolution:**

- Resolution: 0.001 OD

**Display:**

- Equipped with a wide and clear display for easy reading

**Additional Features:**

- Built-in shaker for optimal mixing
- Incubator with programmable temperature control

**7. Calibration and Quality Control:**

- Built-in self-diagnostic system with error detection and reporting
- Calibration options for wavelength accuracy and absorbance linearity
- Quality control features for reliable performance

**Speed and Storage:**

- Offers fast microplate reading speeds
- Can store 100 user-entered tests minimum.

**Accessories and Readiness:**

- Comes complete and ready to use with all necessary accessories

**Warranty:**

- Warranty period: Minimum of 2 years

**Optional Add-Ons:**

- Optional pricing available for replacement lamp
- Brand name PC for enhanced performance

❖ *Kindly your offer will not be taken into our consideration if you don't fill in the table below.*

Eliza reader	Yes/No	Comment
Manufacture	Manufacture	



<b>Model</b>	Model	
<b>Origin: USA, EURO, Japan</b>	Origin	
<b>3 years warranty</b>	Yes/No	
<b>Delivery time</b>	weeks	
Designed for wide applicability in life science research and diagnostics	Yes/No	
Open system design allows compatibility with various ELISA kits	Yes/No	
Capable of reading 6-, 12-, 24-, 48-, and 96-well microplates in flat, U, and V shapes	Yes/No	
Fully automatic ELISA microplate reader	Yes/No	
Read Methods: Endpoint and kinetic assays	Yes/No	
Equipped with a selection of 5 filters or more, spanning between 400 - 750 nm	Yes/No	
Long-life LED light source	Yes/No	
A photodiode or photomultiplier tube (PMT) detection system	Yes/No	
Photometric range: 0.0–3.5 Optical Density (OD)	Yes/No	
Accuracy: $\leq 1.0\%$ or 0.010 from 0.000–3.000 OD at 490 nm	Yes/No	
Linearity: $\leq 1.0\%$ from 0.0–2.0 OD; $\leq 2.0\%$ from 0.0–3.0 OD	Yes/No	
Resolution: 0.001 OD	Yes/No	
Equipped with a wide and clear display for easy reading	Yes/No	
Built-in shaker for optimal mixing	Yes/No	
Incubator with programmable temperature control	Yes/No	
Built-in self-diagnostic system with error detection and reporting	Yes/No	
Calibration options for wavelength accuracy and absorbance linearity	Yes/No	
Quality control features for reliable performance	Yes/No	
Offers fast microplate reading speeds	Yes/No	
Can store 100 user-entered tests minimum.	Yes/No	
<b>Accessories and Readiness:</b>	Yes/No	
Comes complete and ready to use with all necessary accessories	Yes/No	
Optional pricing available for replacement lamp	Yes/No	
Optional pricing Brand name PC for enhanced performance	Yes/No	
<b>Complete and Ready to use with all accessories.</b>	Yes/No	
<b>10 years availability for spare parts</b>	Yes/No	
<b>Date of manufacture of the machine not less than 2023</b>	Yes/No	
<b>The price includes installation and training on-site.</b>		
<b>User's and service manual.</b>		



## Item #2: Immunofluorescence microscope

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

### Microscope Overview:

- Microscope Type: Immunofluorescence
- Intended Use: Teaching purposes in diagnostics laboratories
- Imaging Techniques: Brightfield, Fluorescence

### Optical System:

- Magnification: [10X – 1000X]
- Objective Lenses: Hi Plan 4x, 10x, 40x, 100x Oil Objectives, 1025 N.A
- Fluorescence Filter Sets: GFP, FITC, Exciter: AT480/30x, Dichroic: AT505DC, Emitter: AT535/40m
- Blank Filter Cube

### Illumination System:

- Transmitted Light Source: Halogen lamp for brightfield illumination
- Fluorescence Light Source: High-intensity mercury or LED for fluorescence excitation
- Köhler illumination for consistent and uniform lighting

### Fluorescence Imaging:

- Filter Cubes: [slides with 3 positions for filter cubes] for multiple fluorophores
- Imaging Software: User-friendly software for fluorescence image capture and analysis

### Camera and Imaging:

- High-resolution digital camera [1920X1080 - Captured 5 M.P.]
- Imaging Software: Compatible with industry-standard imaging software for advanced analysis

### Stage and Specimen Handling:

- The mechanical stage for precise sample positioning
- Sample Holders: Compatible with various slide and dish formats
- Motorized Z-focus for convenient focusing

### Ergonomics and User Interface:

- Ergonomic design for user comfort during prolonged use
- User-friendly control panel with intuitive buttons and knobs
- Touchscreen interface for easy adjustment of settings

### Data Management:

- USB and Wi-Fi connectivity for data transfer and remote control
- Storage and Export: Ability to save images in various formats (TIFF, JPEG, etc.)

### Fluorescence Safety:

- UV-blocking shields and filters for operator safety during fluorescence work
- Safety interlocks to prevent sample exposure when the microscope is not in use

### Certifications:

- Compliance with relevant international standards (e.g., CE, ISO)

### Accessories Included:

- Fluorescence filter sets
- Dust cover and protective accessories
- User manual and training materials



❖ ***Kindly your offer will not be taken into our consideration if you don't fill in the table below.***

<b>Immunofluorescence microscope</b>	<b>Yes/No</b>	<b>Comment</b>
<b>Manufacture</b>	Manufacture	
<b>Model</b>	Model	
<b>Origin: USA, EURO, Japan</b>	Origin	
<b>3 years warranty</b>	Yes/No	
<b>Delivery time</b>	weeks	
<b>Microscope Overview:</b>		
<ul style="list-style-type: none"> <li>• Microscope Type: Immunofluorescence</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Intended Use: Teaching purposes in diagnostics laboratories</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Imaging Techniques: Brightfield, Fluorescence</li> </ul>	Yes/No	
<b>Optical System:</b>		
<ul style="list-style-type: none"> <li>• Magnification: [10X – 1000X]</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Objective Lenses: Hi Plan 4x, 10x, 40x, 100x Oil Objectives, 1025 N.A</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Fluorescence Filter Sets: GFP, FITC, Exciter: AT480/30x, Dichroic: AT505DC, Emitter: AT535/40m</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Blank Filter Cube</li> </ul>		
<b>Illumination System:</b>		
<ul style="list-style-type: none"> <li>• Transmitted Light Source: Halogen lamp for brightfield illumination</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Fluorescence Light Source: High-intensity mercury or LED for fluorescence excitation</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Köhler illumination for consistent and uniform lighting</li> </ul>	Yes/No	
<b>Fluorescence Imaging:</b>		
<ul style="list-style-type: none"> <li>• Filter Cubes: [slides with 3 positions for filter cubes] for multiple fluorophores</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Imaging Software: User-friendly software for fluorescence image capture and analysis</li> </ul>	Yes/No	
<b>Camera and Imaging:</b>		
<ul style="list-style-type: none"> <li>• High-resolution digital camera [1920X1080 - Captured 5 M.P.]</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Imaging Software: Compatible with industry-standard imaging software for advanced analysis</li> </ul>	Yes/No	
<b>Stage and Specimen Handling:</b>		
<ul style="list-style-type: none"> <li>• The mechanical stage for precise sample positioning</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Sample Holders: Compatible with various slide and dish formats</li> </ul>	Yes/No	



<ul style="list-style-type: none"> <li>Motorized Z-focus for convenient focusing</li> </ul>	Yes/No	
<b>Ergonomics and User Interface:</b>		
<ul style="list-style-type: none"> <li>Ergonomic design for user comfort during prolonged use</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>User-friendly control panel with intuitive buttons and knobs</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Touchscreen interface for easy adjustment of settings</li> </ul>	Yes/No	
<b>Data Management:</b>		
<ul style="list-style-type: none"> <li>USB and Wi-Fi connectivity for data transfer and remote control</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Storage and Export: Ability to save images in various formats (TIFF, JPEG, etc.)</li> </ul>	Yes/No	
<b>Fluorescence Safety:</b>		
<ul style="list-style-type: none"> <li>UV-blocking shields and filters for operator safety during fluorescence work</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Safety interlocks to prevent sample exposure when the microscope is not in use</li> </ul>	Yes/No	
<b>Certifications:</b>		
<ul style="list-style-type: none"> <li>Compliance with relevant international standards (e.g., CE, ISO)</li> </ul>	Yes/No	
<b>Accessories Included:</b>		
<ul style="list-style-type: none"> <li>Dust cover and protective accessories</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>User manual and training materials</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Fluorescence filter sets</li> </ul>	Yes/No	
<b>Complete and Ready to use with all accessories.</b>	Yes/No	
<b>10 years availability for spare parts</b>	Yes/No	
<b>Date of manufacture of the machine not less than 2023</b>	Yes/No	
<b>The price includes installation and training on-site.</b>	Yes/No	
<b>User's and service manual</b>	Yes/No	

### Item #3: Binocular Microscope

**Brand name.**

3 years warranty, 10 years availability of spare parts.

Origin: USA, EURO, Japan.

**Observation modes:**

- Bright-field.

**Optical system:**

- Infinity optical system.

**Head:**

- Two Eyepieces WF 10X/18
- Tube inclination 30 °.
- Rotation 360 °.
- Interpupillary : 48 -75 mm.
- Quadruple reverse angle Nosepiece.
- Anti-fungus coating for objectives, eyepieces, and observation tubes.

**Illumination:**

- White LED illumination (adjustable).
- Koehler illumination.

**Objectives:**

- Infinity objectives.
- 4x/0.10, 10x/0.25, 40x/0.65, spring loaded, 100x/1.25, oil, spring loaded.

**Focusing:**

- Adjustable coaxial coarse and fine focusing knob with upper stop.

**Condenser:**

- Abbe Bright field condenser N.A 1.25, with integrated iris diaphragm and filter tray.
- Condenser and light intensity adjustable.

**Stage:**

- Double layer mechanical stage size: 130 mm X 130 mm.
- Stage movement up/down 20 mm.
- X/Y moving: 76 mm-30mm.

**Power:**

- 220V, 50 HZ.

**Include:**

- Dust cover, filter, immersion oil, ) disposable delicate task wipers to clean something, such as optics, instruction manual, and service manual.

❖ **Kindly your offer will not be taken into our consideration if you don't fill in the table below.**

Binocular Microscope	Yes/N o	Comment
Manufacture	Manufacture	





<b>Model</b>	Model	
<b>Origin: USA, EUPRE, japan.</b>	Origin	
<b>Delivery time</b>	weeks	
<b>3 years Full warranty_10 years availability for spare parts</b>	Yes/No	
<b>Observation modes:</b>	Yes/No	
•Bright-field.	Yes/No	
<b>Optical system :</b>	Yes/No	
•Infinity optical system.	Yes/No	
<b>Head :</b>	Yes/No	
•Two Eyepieces WF 10X/18	Yes/No	
•Tube inclination 30 °.	Yes/No	
•Rotation 360 °.	Yes/No	
•Interpupillary : 48 -75 mm.	Yes/No	
•Quadruple reverse angle Nosepiece.	Yes/No	
•Anti-fungus coating for objectives, eyepieces, and observation tubes.	Yes/No	
<b>Illumination :</b>	Yes/No	
•White LED illumination (adjustable).	Yes/No	
•Koehler illumination.	Yes/No	
<b>Objectives :</b>	Yes/No	
•Infinity objectives.	Yes/No	
•4x/0.10, 10x/0.25, 40x/0.65, spring loaded, 100x/1.25, oil, spring loaded.	Yes/No	
<b>Focusing :</b>	Yes/No	
•Adjustable coaxial coarse and fine focusing knob with upper stop.	Yes/No	
<b>Condenser :</b>	Yes/No	
•Abbe Bright field condenser N.A 1.25, with integrated iris diaphragm and filter tray.	Yes/No	
•Condenser and light intensity adjustable.	Yes/No	
<b>Stage :</b>	Yes/No	
•Double layer mechanical stage size: 130 mm X 130 mm.	Yes/No	
•Stage movement up/down 20 mm.	Yes/No	
•X/Y moving: 76 mm-30mm.	Yes/No	
<b>Power :</b>	Yes/No	
• 220V, 50 HZ.	Yes/No	
<b>Include :</b>	Yes/No	
•Dust cover, filter, immersion oil, ) disposable delicate task wipers to clean something delicate, such as optics, instruction manual, and service manual.	Yes/No	
<b>The price includes installation and team training on-site.</b>	Yes/No	
<b>Date of manufacture of the machine not less than 2023</b>		



### Item #4: CBC Analyzer

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

**Analyzer Overview:**

- Analyzer Type: 3-Part Differential Blood Count CBC Analyzer
- Intended Use: Medical laboratory for complete blood count analysis

**Hematology Parameters:**

- Parameters Measured: Hemoglobin (Hb), Hematocrit (Hct), Red Blood Cells (RBC), White Blood Cells (WBC), Platelets (PLT), Mean Corpuscular Volume (MCV), Mean Corpuscular Hemoglobin (MCH), Mean Corpuscular Hemoglobin Concentration (MCHC), and 3-Part Differential WBC Count (Neutrophils, Lymphocytes, Monocytes)

**Sample Handling:**

- Sample Types: Whole blood, venous or capillary
- Sample Volume: [Specify Sample Volume] Microliters
- Throughput: [Specify Throughput] samples per hour

**Analysis Method:**

- Impedance and Optical Scattering: Provides accurate and reliable cell counting and sizing
- Hemoglobin Measurement: Cyanide-free method for safe and precise Hb analysis

**Manual Handling:**

- Manual sample loading for flexibility and ease of use
- Easy sample loading mechanism for efficient workflow

**User Interface:**

- Intuitive touchscreen interface with graphical display
- User-friendly software for data input, review, and report generation

**Data Management:**

- Storage Capacity: [Specify Storage Capacity] results
- Export Formats: PDF, CSV, and LIS connectivity for data transfer
- Data Analysis: Provides histograms and scattergrams for in-depth analysis

**Quality Control:**

- Internal Quality Control (IQC) and External Quality Assurance (EQA) features for accuracy and precision monitoring
- Calibration: Automated calibration procedures for reliable results

**Connectivity:**

- LIS (Laboratory Information System) integration for seamless data exchange
- Barcode reader compatibility for sample tracking and identification

**Certifications:**

- Compliance with relevant international standards (e.g., CE, ISO)

**Accessories Included:**

- Reagents, calibrators, controls, and all other needs for the system.

**Pricing for Consumables: (Important)**

- Request pricing details for Reagents, Calibrators, Controls, and all other consumables for the system for ongoing operation and maintenance.

❖ Kindly your offer will not be taken into our consideration if you don't fill in the table below.

	CBC Analyzer	Yes/No	Comment
Manufacture		Manufacture	



<b>Model</b>	Model	
<b>Origin: USA, EURO, Japan</b>	Origin	
<b>3 years warranty</b>	Yes/No	
<b>Delivery time</b>	weeks	
<b>Hematology Parameters:</b>		
<ul style="list-style-type: none"> <li>Parameters Measured: Hemoglobin (Hb), Hematocrit (Hct), Red Blood Cells (RBC), White Blood Cells (WBC), Platelets (PLT), Mean Corpuscular Volume (MCV), Mean Corpuscular Hemoglobin (MCH), Mean Corpuscular Hemoglobin Concentration (MCHC), and 3-Part Differential WBC Count (Neutrophils, Lymphocytes, Monocytes)</li> </ul>	Yes/No	
<b>Sample Handling:</b>		
<ul style="list-style-type: none"> <li>Sample Types: Whole blood, venous or capillary</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Sample Volume: [?] Microliters</li> </ul>		
<ul style="list-style-type: none"> <li>Throughput: [Specify Throughput] samples per hour</li> </ul>	Yes/No	
<b>Analysis Method:</b>		
<ul style="list-style-type: none"> <li>Impedance and Optical Scattering: Provides accurate and reliable cell counting and sizing</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Hemoglobin Measurement: Cyanide-free method for safe and precise Hb analysis</li> </ul>	Yes/No	
<b>Manual Handling:</b>		
<ul style="list-style-type: none"> <li>Manual sample loading for flexibility and ease of use</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Easy sample loading mechanism for efficient workflow</li> </ul>	Yes/No	
<b>User Interface:</b>		
<ul style="list-style-type: none"> <li>Intuitive touchscreen interface with graphical display</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>User-friendly software for data input, review, and report generation</li> </ul>	Yes/No	
<b>Data Management:</b>		
<ul style="list-style-type: none"> <li>Storage Capacity: [Specify Storage Capacity] results</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Export Formats: PDF, CSV, and LIS connectivity for data transfer</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Data Analysis: Provides histograms and scattergrams for in-depth analysis</li> </ul>	Yes/No	
<b>Quality Control:</b>		
<ul style="list-style-type: none"> <li>Internal Quality Control (IQC) and External Quality Assurance (EQA) features for accuracy and precision monitoring</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Calibration: Automated calibration procedures for reliable results</li> </ul>	Yes/No	
<b>Connectivity:</b>		



<ul style="list-style-type: none"> <li>LIS (Laboratory Information System) integration for seamless data exchange</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Barcode reader compatibility for sample tracking and identification</li> </ul>	Yes/No	
<b>Certifications:</b>		
<ul style="list-style-type: none"> <li>Compliance with relevant international standards (e.g., CE, ISO)</li> </ul>	Yes/No	
<b>Accessories Included:</b>		
<ul style="list-style-type: none"> <li>Reagents, calibrators, controls, and all other needs for the system.</li> </ul>	Yes/No	
<b>Pricing for Consumables: (Important)</b>		
<ul style="list-style-type: none"> <li>Request pricing details for Reagents, Calibrators, Controls, and all other consumables for the system for ongoing operation and maintenance.</li> </ul>	Yes/No	
<b>Hematology Parameters:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Parameters Measured: Hemoglobin (Hb), Hematocrit (Hct), Red Blood Cells (RBC), White Blood Cells (WBC), Platelets (PLT), Mean Corpuscular Volume (MCV), Mean Corpuscular Hemoglobin (MCH), Mean Corpuscular Hemoglobin Concentration (MCHC), and 3-Part Differential WBC Count (Neutrophils, Lymphocytes, Monocytes)</li> </ul>		
<b>Sample Handling:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Sample Types: Whole blood, venous or capillary</li> </ul>		
<ul style="list-style-type: none"> <li>Sample Volume: [?] Microliters</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Throughput: [?] samples per hour</li> </ul>	Yes/No	
<b>Analysis Method:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Impedance and Optical Scattering: Provides accurate and reliable cell counting and sizing</li> </ul>		
<ul style="list-style-type: none"> <li>Hemoglobin Measurement: Cyanide-free method for safe and precise Hb analysis</li> </ul>		
<b>Manual Handling:</b>		
<ul style="list-style-type: none"> <li>Manual sample loading for flexibility and ease of use</li> </ul>		
<ul style="list-style-type: none"> <li>Easy sample loading mechanism for efficient workflow</li> </ul>		
<b>User Interface:</b>		
<ul style="list-style-type: none"> <li>Intuitive touchscreen interface with graphical display</li> </ul>		
<ul style="list-style-type: none"> <li>User-friendly software for data input, review, and report generation</li> </ul>		
<b>Data Management:</b>		
<ul style="list-style-type: none"> <li>Storage Capacity: [Specify Storage Capacity] results</li> </ul>		
<ul style="list-style-type: none"> <li>Export Formats: PDF, CSV, and LIS connectivity for data transfer</li> </ul>		
<ul style="list-style-type: none"> <li>Data Analysis: Provides histograms and scattergrams for in-depth analysis</li> </ul>		
<b>Complete and Ready to use with all accessories.</b>	Yes/No	



<b>10 years availability for spare parts</b>	Yes/No	
<b>Date of manufacture of the machine not less than 2023</b>	Yes/No	
<b>The price includes installation and training on-site.</b>	Yes/No	
<b>User's and service manual.</b>	Yes/No	



### Item #5: Coagulometer

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

**Design and Configuration:**

- Compact Benchtop Design
- Open System: Allows flexibility in reagent selection and compatibility

**Applications:**

- Analytical Parameters: Prothrombin Time (PT), Activated Partial Thromboplastin Time (APTT), Thrombin Time (TT), D-Dimer (DD), Antithrombin (AT), and Fibrinogen (FIB)
- Incubation Position: Equipped with a dedicated position for sample and reagent incubation

**Sample Handling:**

- Sample Position: Accommodates sample vials for easy and organized handling
- Sample Mixer: Ensures thorough and uniform mixing of samples

**Reagent Handling:**

- Reagent Position: Provides space for reagent vials for streamlined reagent loading
- Reagent Stirring Bar: Facilitates consistent mixing of reagents for accurate results
- Heated Reagent Position: Offers a temperature-controlled environment for heat-sensitive reagents

**Calibration and Quality Control:**

- Multi-Point Calibration: Supports precise calibration for accurate measurement across the parameter range

**Accessories and Readiness:**

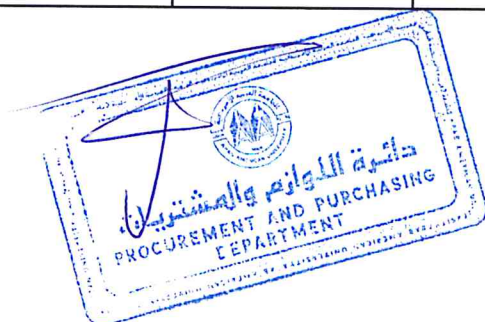
- Complete Set: Includes all necessary accessories, consumables, and components for immediate use
- Included PT Kit: Comes with one PT Kit for the Prothrombin Time assay
- Included Calibrator with Control: Includes calibration material and control samples for quality assurance

• Kindly your offer will not be taken into our consideration if you don't fill in the table below.

Coagulation meter	Yes/No	Comment
Manufacture	Manufacture	
Model	Model	
Origin	Origin	
Delivery time	Delivery time	
3years Full warranty	Yes/No	
Country of origin	Yes/No	
<b>Design and Configuration:</b>		
• Compact Benchtop Design	Yes/No	
• Open System: Allows flexibility in reagent selection and compatibility	Yes/No	
<b>Applications:</b>		
• Analytical Parameters: Prothrombin Time (PT), Activated Partial Thromboplastin Time (APTT), Thrombin Time (TT), D-	Yes/No	



Dimer (DD), Antithrombin (AT), and Fibrinogen (FIB)		
<ul style="list-style-type: none"> <li>Incubation Position: Equipped with a dedicated position for sample and reagent incubation</li> </ul>	Yes/No	
<b>Sample Handling:</b>		
<ul style="list-style-type: none"> <li>Sample Position: Accommodates sample vials for easy and organized handling</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Sample Mixer: Ensures thorough and uniform mixing of samples</li> </ul>	Yes/No	
<b>Reagent Handling:</b>		
<ul style="list-style-type: none"> <li>Reagent Position: Provides space for reagent vials for streamlined reagent loading</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Reagent Stirring Bar: Facilitates consistent mixing of reagents for accurate results</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Heated Reagent Position: Offers a temperature-controlled environment for heat-sensitive reagents</li> </ul>	Yes/No	
<b>Calibration and Quality Control:</b>		
<ul style="list-style-type: none"> <li>Multi-Point Calibration: Supports precise calibration for accurate measurement across the parameter range</li> </ul>	Yes/No	
<b>Accessories and Readiness:</b>		
<ul style="list-style-type: none"> <li>Complete Set: Includes all necessary accessories, consumables, and components for immediate use</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Included PT Kit: Comes with one PT Kit for the Prothrombin Time assay</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Included Calibrator with Control: Includes calibration material and control samples for quality assurance</li> </ul>	Yes/No	
<b>With all accessories and consumables complete and ready to use.</b>	Yes/No	
<b>10 years availability for spare parts</b>	Yes/No	
<b>Service and user manual</b>	Yes/No	
<b>Date of manufacture of the machine not less than 2023</b>	Yes/No	
<b>Price should include installation and team training in site</b>	Yes/No	



## Item #6: Hematocrit Centrifuge

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

### Design and Configuration:

- Benchtop Design: Designed for convenient use on laboratory workstations
- Brushless Motor: Equipped with a reliable and maintenance-free brushless motor

### Sample Capacity:

- Capacity: Accommodates up to 24 samples simultaneously
- Tubes volume: Hematocrit capillary tube

### Control System:

- Microprocessor Control: Utilizes advanced microprocessor technology for precise control and operation

### Centrifugation Performance:

- Maximum Speed: Up to 13000 RPM for efficient separation and processing

### Speed and Time Control:

- Speed and Time Controller: Equipped with adjustable speed and time settings for customization

### Safety Features:

- Door Lock: Features a secure door lock mechanism to ensure safe operation during centrifugation

❖ Kindly your offer will not be taken into our consideration if you don't fill in the table below.

Hematocrit Centrifuge	Yes/No	Comment
<b>Manufacture</b>	Manufacture	
<b>Model</b>	Model	
<b>Origin</b>	Origin	
<b>Delivery time</b>	weeks	
<b>3 years Full warranty 10 years availability for spare parts</b>	Yes/No	
<b>Design and Configuration:</b>		
<ul style="list-style-type: none"> <li>• Benchtop Design: Designed for convenient use on laboratory workstations</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Brushless Motor: Equipped with a reliable and maintenance-free brushless motor</li> </ul>	Yes/No	
<b>Sample Capacity:</b>		
<ul style="list-style-type: none"> <li>• Capacity: Accommodates up to 24 samples simultaneously</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Tubes volume: Hematocrit capillary tube</li> </ul>	Yes/No	
<b>Control System:</b>		





<ul style="list-style-type: none"> <li>• Microprocessor Control: Utilizes advanced microprocessor technology for precise control and operation</li> </ul>	Yes/No	
<b>Centrifugation Performance:</b>		
<ul style="list-style-type: none"> <li>• Maximum Speed: Up to 13000 RPM for efficient separation and processing</li> </ul>	Yes/No	
<b>Speed and Time Control:</b>		
<ul style="list-style-type: none"> <li>• Speed and Time Controller: Equipped with adjustable speed and time settings for customization</li> </ul>	Yes/No	
<b>Safety Features:</b>		
<ul style="list-style-type: none"> <li>• Door Lock: Features a secure door lock mechanism to ensure safe operation during centrifugation</li> </ul>	Yes/No	
<b>With all accessories and consumables complete and ready to use.</b>	Yes/No	
<b>10 years availability for spare parts</b>	Yes/No	
<b>Service and user manual</b>		
<b>Date of manufacture of the machine not less than 2023</b>	Yes/No	
<b>Price should include installation and team training in site</b>	Yes/No	



### Item #7: Benchtop Centrifuge

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

**Design and Motor:**

- Benchtop Centrifuge: Designed for compact and efficient laboratory use
- Brushless Motor: Equipped with a reliable and maintenance-free brushless motor

**Control System:**

- Microprocessor Control: Utilizes advanced microprocessor technology for precise control and operation

**Control and Display:**

- Digital Display: Provides clear and accurate information
- Real-Time Display: Actual values indicated during centrifugation for real-time monitoring
- Speed Display: RPM x 100, adjustable in steps of 100
- RCF Key: Displays relative centrifugal force (RCF) during operation
- Time Control: Adjustable from 1 to 99 minutes, continuous operation supported
- Impulse Key: For short-duration centrifugation operations

**Centrifuge Chamber:**

- Stainless Steel Chamber: Constructed with durable and corrosion-resistant materials

**Rotor Compatibility:**

- Easily Exchangeable Rotors: Capability to use two types of rotors – swing-out or fixed angle
- If Swing-Out Rotor: Equipped with buckets and lids for secure sample handling
- Bucket Sizes: Includes 4 buckets for 5 ml and 10 ml test tubes and 4 buckets for 15 ml conical tubes

**Capacity:**

- Total Capacity: 16 tubes, distributed among the available bucket sizes

**Maximum Speed:**

- Max Speed: Up to 26,000 RPM for tube volumes types, achieving optimal results

**Safety Features:**

- Emergency Lid Lock Release: Ensures safety and easy access in case of emergencies
- Imbalance Switch-Off: Automatically stops operation in case of imbalance
- Automatic Rotor Recognition: Enhances user safety and prevents incorrect usage

**Power Requirements:**

- Power: 220 V, suitable for standard electrical outlets

**Optional Add-Ons:**

- Swing-Out Rotor: Optional pricing available for a swing-out rotor
- Thermal Fuse: Optional thermal fuse for added safety
- Buckets and Lids: Optional buckets and lids for 5 ml and 15 ml volumes

Benchtop Centrifuge	Yes/No	Comment
Manufacture	Manufacture	
Model	Model	
Origin: USA, EURO, Japan	Origin	
3 years warranty	Yes/No	



<b>Delivery time</b>	weeks	
<b>Design and Motor:</b>		
<ul style="list-style-type: none"> <li>Benchtop Centrifuge: Designed for compact and efficient laboratory use</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Brushless Motor: Equipped with a reliable and maintenance-free brushless motor</li> </ul>		
<b>Control System:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Microprocessor Control: Utilizes advanced microprocessor technology for precise control and operation</li> </ul>		
<b>Control and Display:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Digital Display: Provides clear and accurate information</li> </ul>		
<ul style="list-style-type: none"> <li>Real-Time Display: Actual values indicated during centrifugation for real-time monitoring</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Speed Display: RPM x 100, adjustable in steps of 100</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>RCF Key: Displays relative centrifugal force (RCF) during operation</li> </ul>		
<ul style="list-style-type: none"> <li>Time Control: Adjustable from 1 to 99 minutes, continuous operation supported</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Impulse Key: For short-duration centrifugation operations</li> </ul>	Yes/No	
<b>Centrifuge Chamber:</b>		
<ul style="list-style-type: none"> <li>Stainless Steel Chamber: Constructed with durable and corrosion-resistant materials</li> </ul>	Yes/No	
<b>Rotor Compatibility:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Easily Exchangeable Rotors: Capability to use two types of rotors – swing-out or fixed angle</li> </ul>		
<ul style="list-style-type: none"> <li>If Swing-Out Rotor: Equipped with buckets and lids for secure sample handling</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Bucket Sizes: Includes 4 buckets for 5 ml and 10 ml test tubes and 4 buckets for 15 ml conical tubes</li> </ul>	Yes/No	
<b>Capacity:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Total Capacity: 16 tubes, distributed among the available bucket sizes</li> </ul>		
<b>Maximum Speed:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Max Speed: Up to 26,000 RPM for tube volumes types, achieving optimal results</li> </ul>	Yes/No	
<b>Safety Features:</b>		
<ul style="list-style-type: none"> <li>Emergency Lid Lock Release: Ensures safety and easy access in case of emergencies</li> </ul>	Yes/No	



• Imbalance Switch-Off: Automatically stops operation in case of imbalance	Yes/No	
• Automatic Rotor Recognition: Enhances user safety and prevents incorrect usage		
<b>Power Requirements:</b>	Yes/No	
• Power: 220 V, suitable for standard electrical outlets		
<b>Optional Add-Ons:</b>	Yes/No	
• Swing-Out Rotor: Optional pricing available for a swing-out rotor		
• Thermal Fuse: Optional thermal fuse for added safety	Yes/No	
• Buckets and Lids: Optional buckets and lids for 5 ml and 15 ml volumes	Yes/No	
<b>Complete and Ready to use with all accessories.</b>	Yes/No	
<b>10 years availability for spare parts</b>	Yes/No	
<b>Date of manufacture of the machine not less than 2023</b>	Yes/No	
<b>The price includes installation and training on-site.</b>	Yes/No	
<b>User's and service manual.</b>	Yes/No	



### Item #8: Incubator

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

- For general lab applications.
- Volume 110 L.
- Temp range: up to 80 C.
- Microprocessor control.
- Adjustable parameters: time, temp, .....
- Self-diagnostics for any error.
- Clear display.
- Double door one of them glass door.
- Resolution of display for set point and actual temperature values 0.1°C.
- The program is stored in case of power failure.
- Fast recovery time.
- Two shelves.
- Access port.
- With temperature calibration certificate.

❖ ***Kindly your offer will not be taken into our consideration if you don't fill in the table below.***

Incubator 110 L	Yes/No	Comment
Manufacture	Manufacture	
Model	Model	
Origin	Origin	
Delivery time	Delivery time	
2 years Full warranty	Yes/No	
Country of origin ( USA, Europe )	Yes/No	
For general lab application and microbiology.	Yes/No	
Microprocessor control	Yes/No	
Volume 110 L.	Yes/No	
Temp range: up to 80 C.	Yes/No	
Adjustable parameters: time, temp,...	Yes/No	
Self-diagnostics for any error.	Yes/No	
Clear display.	Yes/No	
Double door one of them glass door.	Yes/No	
Resolution of display for set point and actual temperature values 0.1°C.	Yes/No	
The program is stored in case of power failure.	Yes/No	
Fast recovery time.	Yes/No	
Two shelves.	Yes/No	
With temperature calibration certificate.	Yes/No	
10 years availability for spare parts	Yes/No	
Service and user manual	Yes/No	
Price should include installation and team training in site	Yes/No	
Date of manufacture of the machine not less than 2023		



## Item #9: Water bath

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

**Volume: 45 Liters**

**Temperature Control:**

- Microprocessor-based temperature controller.
- Temperature Range: 5°C to 100°C with a resolution of 0.1°C.
- Integrated auto diagnostic system with a fault indicator.
- Digital LED display for both set and actual temperature.
- Digital timer: 1 minute to 95 hours and 59 minutes.
- Low water sensor.

**Visual Alarms:**

- Over temperature protection.

**Interior Chamber (Anterior):**

- Constructed with easy-to-clean corrosion-resistant material.

**Exterior Chamber:**

- Constructed from stainless steel, featuring laser-welded joints for exceptional corrosion resistance.

**Power Supply:**

- Voltage: 220V
- Frequency: 50Hz

**Certification:**

- Temperature calibration certificate included.

**Additional Features:**

- Equipped with a protective cover.
- Includes a rack designed for accommodating small tubes (0.2 ml, 0.5 ml, 2 ml, 5 ml).
- Provided with clips suitable for securing small tubes (0.2 ml, 0.5 ml, 2 ml, 5 ml).

❖ **Kindly your offer will not be taken into our consideration if you don't fill in the table below.**

WATER BATH	Yes/No	Comment
Manufacture	Manufacture	
Model	Origin	
Origin: USA, Europe, japan	Model	
Delivery time	Time	
3 years Full warranty,10 years availability for spare part	Yes / No	
Volume: 45 Liters	Yes / No	
Microprocessor-based temperature controller.	Yes / No	



Temperature Range: 5°C to 100°C with a resolution of 0.1°C.	Yes / No	
Integrated auto diagnostic system with a fault indicator.	Yes / No	
Digital LED display for both set and actual temperature.	Yes / No	
Digital timer: 1 minute to 95 hours and 59 minutes.	Yes / No	
Low water sensor.	Yes / No	
Visual Alarms: Over temperature protection.	Yes / No	
Anterior Chamber: Constructed with easy-to-clean corrosion-resistant material.	Yes / No	
Exterior Chamber: Constructed from stainless steel, featuring laser-welded joints for exceptional corrosion resistance.	Yes / No	
Temperature calibration certificate included.	Yes / No	
Equipped with a protective cover.	Yes / No	
Includes a rack designed for accommodating small tubes (0.2 ml, 0.5 ml, 2 ml, 5 ml).	Yes / No	
Provided with clips suitable for securing small tubes (0.2 ml, 0.5 ml, 2 ml, 5 ml).	Yes / No	
<b>Price includes installation training in site</b>	Yes / No	
<b>User's and service manual</b>	Yes / No	
<b>Date of manufacture of the machine not less than 2023</b>	Yes / No	

### Item #10: WBC's deferential counter

#### MANUAL DIFFERENTIAL COUNTERS - BENCHTOP

HS5360A (6 KEY) BASO., EOSIN., MONO., LYMPH., POLY., AND TOTAL

- **Dimensions L x W x H:** 9.8 x 3 x 2.2 in. (25 x 7.6 x 5.6 cm)



### Item #11: Neubauer Counting Chamber

#### Specifications

- Components: Glass counting chamber (reusable)  
1 glass planned cover slide (reusable)
- Materials: Glass
- Specifications: Depth: 0.1mm  
Volume: 0.9mm<sup>3</sup>  
Double engraved grid

### Item #12: Vibrator/Shaker

3 years warranty, 10 years availability of spare parts.

#### Origin: Brand name

- Capacity: up to 1,5 Kg / 4 microliters plates
- vibration: orbit performs gentle mixing for a small sample.
- Variable speed: 150 - 125 rpm.
- Time : 0 - 120 min

❖ *Kindly your offer will not be taken into our consideration if you don't fill in the table below.*

Vibrator/shaker	Yes/No	Comment
Manufacture	Manufacture	
Model	Model	
Origin:	Origin	
Delivery time	weeks	
2 years Full warranty	Yes/No	
Brand name	Yes/No	
Capacity: up to 1,5 Kg / 4 microliters plates	Yes/No	
vibration: orbit performs gentle mixing for small samples.	Yes/No	
Variable speed: 150 - 125 rpm.	Yes/No	
Time : 0 - 120 min	Yes/No	
Complete and Ready to use with all accessories.	Yes/No	
Date of manufacture not less than 2023	Yes/No	
Price includes installation and training in site	Yes/No	
With service and user manual	Yes/No	
10 years availability for spare parts	Yes/No	





### Item #13: Tube Vortex Mixer

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

- Compact, with a low profile and small footprint
- Pressure sensitive cup
- Continuous or touch operation
- Rubber suction pads prevent walking, absorb vibration
- Low voltage supply for safe cold room use
- User and service manual in English.
- Power supply: 220V.

❖ السعر يشمل التوريد والتركييب ويجب أن يتم توضيح جميع متطلبات التركييب في عرض السعر من ملحقات ومتطلبات.

❖ Kindly your offer will not be taken into our consideration if you don't fill in the table below.

Tube Vortex Mixer	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin:	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
* Compact, with a low profile and small footprint	Yes/No	
* Pressure sensitive cup	Yes/No	
* Continuous or touch operation	Yes/No	
* Rubber suction pads prevent walking, absorb vibration	Yes/No	
* Low voltage supply for safe cold room use	Yes/No	
* User and service manual in English.	Yes/No	
* Power supply: 220V.	Yes/No	
User, Application, and service manuals.	Yes/No	



The price includes installation with application training on-site.	Yes/No	
Complete and Ready to use with all accessories.	Yes/No	
Date of manufacture not less than 2022.	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكره وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	



### Item #14: Water Distiller(Small Volume)

3 years warranty, 10 years availability of spare parts.  
Origin: Brand name USA, EURO, Japan

Water distiller with a capacity of 6 liters in 1 hour.

- Ion exchange reverse osmosis system
- Source and manufacturing should be in USA, EURO, and Japan not the designing only.
- Easy to use and reliable at all times.
- Low cost, compared to the distiller
- Benchtop designed.
- Distillate conductivity: ~ 2,5  $\mu\text{S}/\text{cm}$  (at 25° C)
- Daily average of 120 liters of water.
- Stainless steel water tank.
- Thermostatic low-water cut-off safety system
- User and service manual in English.
- Please price all annual consumables for the device, otherwise, the price offer will not be considered.

❖ السعر يشمل التوريد والتركيب ويجب أن يتم توضيح جميع متطلبات التركيب في عرض السعر من ملحقات ومتطلبات غير ذلك المورد ملزم بأية مصاريف أو أعمال يحتاجها الجهاز.

❖ Kindly your offer will not be taken into our consideration if you don't fill in the table below.

Water Distiller(Small Volume)	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin:	Origin	
Delivery time.		



3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
Water distiller with a capacity of 6 liters in 1 hour.	Yes/No	
<ul style="list-style-type: none"> <li>• Ion exchange reverse osmosis system</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• <b>Source and manufacturing should be in USA, EURO, and Japan not the designing only.</b></li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Easy to use and reliable at all times.</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Low cost, compared to the distiller</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Benchtop designed.</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Distillate conductivity: ~ 2,5 µS/cm (at 25° C)</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Daily average of 120 liters of water.</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Stainless steel water tank.</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• Thermostatic low-water cut-off safety system</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>• <b>Please price all annual consumables for the device, otherwise, the price offer will not be considered.</b></li> </ul>	Yes/No	
User, Application, and service manuals.	Yes/No	
The price includes installation with application training on-site.	Yes/No	
Complete and Ready to use with all accessories.	Yes/No	
Date of manufacture not less than 2023.	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكره وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص	Yes/No	



### Item #15: Gel Incubator

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

**Incubator Overview:**

- Incubator Type: Gel Incubator
- Intended Use: Medical laboratory for gel-based diagnostics

**Temperature Control:**

- Temperature Range: 36°C - 40°C Celsius
- Temperature Stability: ±0.1 degrees Celsius

**Heating System:**

- Precision Heating: Utilizes advanced heating technology for consistent and accurate temperature control

**Capacity:**

- Capacity: 12 gel cards or plates

**User Interface:**

- Intuitive Interface: User-friendly control panel for easy temperature adjustment and monitoring

**Monitoring and Display:**

- Digital Display: Provides clear and accurate temperature readings
- Real-Time Monitoring: Allows real-time tracking of incubation conditions

**Design and Build:**

- Compact Design: Space-saving design suitable for laboratory use
- Construction: Durable and corrosion-resistant materials for long-lasting performance

**Lid and Sealing:**

- Sealed Lid: Ensures airtight environment to prevent contamination and evaporation

**Accessories and Compatibility:**

- Compatible with gel cards or plates
- Additional Accessories: [Specify Additional Accessories, if applicable]

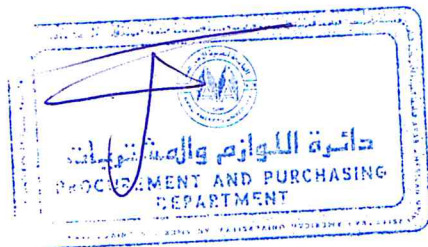
**Power Requirements:**

- Power supply: 220V.

**Certifications:**

- Compliance with relevant international standards (e.g., CE, ISO)

Gel Incubator	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin:	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
Incubator Overview:	Yes/No	



• Incubator Type: Gel Incubator	Yes/No	
• Intended Use: Medical laboratory for gel-based diagnostics	Yes/No	
<b>Temperature Control:</b>	Yes/No	
• Temperature Range: 36°C - 40°C	Yes/No	
• Temperature Stability: ±0.1 degrees Celsius	Yes/No	
<b>Heating System:</b>	Yes/No	
• Precision Heating: Utilizes advanced heating technology for consistent and accurate temperature control	Yes/No	
<b>Capacity:</b>	Yes/No	
• Capacity: 12 gel cards or plates	Yes/No	
<b>User Interface:</b>	Yes/No	
• Intuitive Interface: User-friendly control panel for easy temperature adjustment and monitoring	Yes/No	
<b>Monitoring and Display:</b>	Yes/No	
• Digital Display: Provides clear and accurate temperature readings	Yes/No	
• Real-Time Monitoring: Allows real-time tracking of incubation conditions	Yes/No	
<b>Design and Build:</b>	Yes/No	
• Compact Design: Space-saving design suitable for laboratory use	Yes/No	
• Construction: Durable and corrosion-resistant materials for long-lasting performance	Yes/No	
<b>Lid and Sealing:</b>	Yes/No	
• Sealed Lid: Ensures airtight environment to prevent contamination and evaporation	Yes/No	
<b>Accessories and Compatibility:</b>	Yes/No	
• Compatible with gel cards or plates	Yes/No	
• Additional Accessories: [Specify Additional Accessories, if applicable]	Yes/No	
<b>Power Requirements:</b>	Yes/No	
• Power supply: 220V.	Yes/No	
<b>Certifications:</b>	Yes/No	
• Compliance with relevant international standards (e.g., CE, ISO)	Yes/No	



User, Application, and service manuals.	Yes/No	
The price includes installation with application training on-site.	Yes/No	
Complete and Ready to use with all accessories.	Yes/No	
Date of manufacture not less than 2023.	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكره وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	



### Item #16: Gel Centrifuge

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

**Centrifuge Overview:**

- Centrifuge Type: Gel Centrifuge
- Intended Use: Medical laboratory for gel-based diagnostics

**Capacity:**

- Capacity: 12 gel cards or plates

**Speed Control:**

- Speed Range: 4000-6000 RPM
- Speed Stability: ±50 RPM variation

**Rotor Compatibility:**

- Compatible Rotors: Designed to accommodate specific gel card or plate rotors

**User Interface:**

- Intuitive Interface: User-friendly control panel for easy speed adjustment and monitoring

**Digital Display:**

- Digital Display: Provides clear and accurate speed readings
- Real-Time Monitoring: Allows real-time tracking of centrifugation conditions

**Design and Build:**

- Compact Design: Space-saving design suitable for laboratory use
- Construction: Durable and corrosion-resistant materials for long-lasting performance

**Lid and Safety Features:**

- Sealed Lid: Ensures airtight environment to prevent contamination and sample evaporation
- Safety Interlock: Prevents lid opening during operation for user safety

**Accessories and Compatibility:**

- Compatible with gel cards or plates
- Additional Accessories: [Specify Additional Accessories, if applicable]

**Power Requirements:**

- Power supply: 220V.

**Certifications:**

- Compliance with relevant international standards (e.g., CE, ISO)

Gel Centrifuge	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin:	Origin	
Delivery time.	Weeks	





<b>3 years Full warranty.</b>	Yes/No	
<b>Brand name.</b>	Yes/No	
<b>Centrifuge Overview:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Centrifuge Type: Gel Centrifuge</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Intended Use: Medical laboratory for gel-based diagnostics</li> </ul>	Yes/No	
<b>Capacity:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Capacity: 12 gel cards or plates</li> </ul>	Yes/No	
<b>Speed Control:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Speed Range: 4000-6000 RPM</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Speed Stability: <math>\pm 50</math> RPM variation</li> </ul>	Yes/No	
<b>Rotor Compatibility:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Compatible Rotors: Designed to accommodate specific gel card or plate rotors</li> </ul>	Yes/No	
<b>User Interface:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Intuitive Interface: User-friendly control panel for easy speed adjustment and monitoring</li> </ul>	Yes/No	
<b>Digital Display:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Digital Display: Provides clear and accurate speed readings</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Real-Time Monitoring: Allows real-time tracking of centrifugation conditions</li> </ul>	Yes/No	
<b>Design and Build:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Compact Design: Space-saving design suitable for laboratory use</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Construction: Durable and corrosion-resistant materials for long-lasting performance</li> </ul>	Yes/No	
<b>Lid and Safety Features:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Sealed Lid: Ensures airtight environment to prevent contamination and sample evaporation</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Safety Interlock: Prevents lid opening during operation for user safety</li> </ul>	Yes/No	
<b>Accessories and Compatibility:</b>	Yes/No	
<ul style="list-style-type: none"> <li>Compatible with gel cards or plates</li> </ul>	Yes/No	
<ul style="list-style-type: none"> <li>Additional Accessories: [Specify Additional Accessories, if applicable]</li> </ul>	Yes/No	



<b>Power Requirements:</b>	Yes/No	
• Power supply: 220V.	Yes/No	
<b>Certifications:</b>	Yes/No	
• Compliance with relevant international standards (e.g., CE, ISO)	Yes/No	
<b>User, Application, and service manuals.</b>	Yes/No	
<b>The price includes installation with application training on-site.</b>	Yes/No	
<b>Complete and Ready to use with all accessories.</b>	Yes/No	
<b>Date of manufacture not less than 2023.</b>	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكره وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص	Yes/No	



### Item #17: Medical laboratory photometer

#### (Semi-automated chemistry)

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

**Application:**

- Application: Medical laboratory diagnostics

**Display:**

- Clear Display: Equipped with a clear and user-friendly display

**System Configuration:**

- Open System: Allows flexibility in reagent selection and compatibility

**Reading Options:**

- Two Reading Options: Flow cell and cuvettes for diverse measurement methods

**Cuvette Compatibility:**

- Cuvettes: Compatible with 10mm square and 12mm round tubes

**Reading Modes:**

- Measurement Modes: Offers various measurement modes including endpoint, fixed time, kinetic, absorbance, and differential

**Sample Compatibility:**

- Sample Types: Suitable for serum, plasma, and urine samples

**Calculation Modes:**

- Calculation Modes: Supports single calibrator, multi-standard, and factor-based calculations

**Wavelength Selection:**

- Wavelengths: Configurable at 340, 405, 505, 545, 580, 630, and one additional free position

**Reaction Volume and Accuracy:**

- Minimum Reaction Volume: 300 µl
- Wavelength Accuracy: ±0.3 nm

**Functional Features:**

- Vacuum Pump and Waste Bottles: Equipped with a vacuum pump and waste liquid containers
- Heater: Includes a heater for reaction and incubation purposes
- Incubation Temperature: 37°C

**Memory and Data Management:**

- Internal Memory: Stores sample and calibration data along with quality control (QC) records

**Printing Capability:**

- With Printer and Paper: Includes a built-in printer with paper for result documentation

**Maintenance and Accessories:**

- Cleaning Solution: Provided for maintaining the flow of cell
- Ready-to-Use: Complete with all standard accessories for immediate operation

**Cuvettes Supply:**

- Cuvettes Supply: Includes one pack of cuvettes (one pack included)

❖ **Kindly your offer will not be taken into our consideration if you don't fill in the table below.**

Semi-automated chemistry	Yes/No	Comment
Manufacture	Manufacture	
Model	Model	



Origin: USA, Europe, japan	Origin	
Delivery time	Delivery time	
3 years Full warranty	Yes/No	
Brand name	Yes/No	
<b>Application:</b>	Yes/No	
• Application: Medical laboratory diagnostics	Yes/No	
<b>Display:</b>	Yes/No	
• Clear Display: Equipped with a clear and user-friendly display	Yes/No	
<b>System Configuration:</b>	Yes/No	
• Open System: Allows flexibility in reagent selection and compatibility	Yes/No	
<b>Reading Options:</b>	Yes/No	
• Two Reading Options: Flow cell and cuvettes for diverse measurement methods	Yes/No	
<b>Cuvette Compatibility:</b>	Yes/No	
• Cuvettes: Compatible with 10mm square and 12mm round tubes	Yes/No	
<b>Reading Modes:</b>	Yes/No	
• Measurement Modes: Offers various measurement modes including endpoint, fixed time, kinetic, absorbance, and differential	Yes/No	
<b>Sample Compatibility:</b>	Yes/No	
• Sample Types: Suitable for serum, plasma, and urine samples	Yes/No	
<b>Calculation Modes:</b>	Yes/No	
• Calculation Modes: Supports single calibrator, multi-standard, and factor-based calculations	Yes/No	
<b>Wavelength Selection:</b>	Yes/No	
• Wavelengths: Configurable at 340, 405, 505, 545, 580, 630, and one additional free position	Yes/No	
<b>Reaction Volume and Accuracy:</b>	Yes/No	
• Minimum Reaction Volume: 300 µl	Yes/No	
• Wavelength Accuracy: ±0.3 nm	Yes/No	
<b>Functional Features:</b>	Yes/No	
• Vacuum Pump and Waste Bottles: Equipped with a vacuum pump and waste liquid containers	Yes/No	
• Heater: Includes a heater for reaction and incubation purposes	Yes/No	
• Incubation Temperature: 37°C	Yes/No	
<b>Memory and Data Management:</b>	Yes/No	
• Internal Memory: Stores sample and calibration data along with quality control (QC) records	Yes/No	



<b>Printing Capability:</b>	Yes/No	
• With Printer and Paper: Includes a built-in printer with paper for result documentation	Yes/No	
<b>Maintenance and Accessories:</b>	Yes/No	
• Cleaning Solution: Provided for maintaining the flow of cell	Yes/No	
• Ready-to-Use: Complete with all standard accessories for immediate operation	Yes/No	
<b>Cuvettes Supply:</b>	Yes/No	
• Cuvettes Supply: Includes one pack of cuvettes (one pack included)	Yes/No	
<b>Application:</b>	Yes/No	
<b>Price includes installation training on the site and at least running one sample</b>	Yes/No	
<b>10 years availability for spare parts</b>	Yes/No	
<b>With dust cover.</b>	Yes/No	
<b>User's and service manual</b>	Yes/No	
<b>With all service and user passwords.</b>	Yes/No	
<b>Date of manufacture not less than 2023</b>	Yes/No	



### Item #18:Refractometer:

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

- Application: measurement for Food, laboratories, Training, and Chemicals.
- Digital refractometer.
- Light source LED
- The integrated scale allows use in different applications and provides the best possible security to read the measurement results accurately.
- simple reliable refractometer with a digital thermometer.
- Scales: brix refractive index.
- Measuring range : 0- 95% 13000 to 17000 nD.
- Accuracy:  $\pm 0.1 \pm 0.0002$  nD.
- It measures the refractive index (nD).
- Liquid, solid and pasty samples can be evaluated.
- Complete System ready to use with all accessories.
- Optional: Calibration solution and Calibration block.

**Safety and Training:**

- The system should be CE/ISO certified.
- User and service manual in English.
- Full application training for the operators on site.
- List of important spare parts and accessories with their part numbers and costing.
- Recommended spare parts to be available at least for 10 years.

❖ ومتطلبات. السعر يشمل التوريد والتركييب ويجب أن يتم توضيح جميع متطلبات التركيب في عرض السعر من ملحقات

❖ Kindly your offer will not be taken into our consideration if you don't fill in the table below.

<b>Refractometer</b>	<b>Yes/No</b>	<b>Comment</b>
<b>Manufacture.</b>	Manufacture	
<b>Model.</b>	Model	
<b>Origin:</b>	Origin	
<b>Delivery time.</b>	Weeks	
<b>3 years Full warranty.</b>	Yes/No	
<b>Brand name.</b>	Yes/No	
Application: measurement for Food, laboratories, Training, Chemical.	Yes/No	
Digital refractometers	Yes/No	
Light source LED	Yes/No	



The integrated scale allows the use in different applications and provides the best possible security to read the measurement results accurately	Yes/No	
Simple reliable refractometer with a digital thermometer	Yes/No	
Scales: brix refractive index.	Yes/No	
Measuring range : 0- 95% 13000 to 17000 nD	Yes/No	
Accuracy: $\pm 0.1 \pm 0.0002$ nD	Yes/No	
It measures the refractive index (nD).	Yes/No	
Liquid, solid and pasty samples can be evaluated	Yes/No	
Complete System ready to use with all accessories	Yes/No	
Optional: Calibration solution and Calibration block	Yes/No	
<b>The system should be CE/ISO certified</b>	Yes/No	
<b>User, Application, and service manuals.</b>	Yes/No	
<b>The price includes installation with application training on-site.</b>	Yes/No	
<b>Complete and Ready to use with all accessories.</b>	Yes/No	
<b>10 years availability for spare parts.</b>	Yes/No	
<b>Date of manufacture not less than 2023.</b>	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أي نواقص.	Yes/No	



### Item #19: U.V. Light

**Brand name.**

**3 years warranty, 10 years availability of spare parts.**

**Origin: Brand name USA, EURO, Japan**

**U.V. Light Overview:**

- U.V. Light Type: Medical Laboratory U.V. Light
- Intended Use: Medical laboratory applications

**Light Source:**

- Light Source: U.V. lamp with appropriate wavelength and intensity

**Wavelength Range:**

- Wavelength Range: 254 - 365 nanometers (nm)

**Intensity Control:**

- Intensity Control: Adjustable intensity settings for various applications

**Safety Features:**

- Safety Features: Equipped with protective shields to prevent direct exposure to U.V. light

**Timer Function:**

- Timer Function: Includes timer settings for controlled exposure duration

**Application Compatibility:**

- Application Compatibility: Suitable for DNA analysis, gel imaging, and other lab procedures

**Display and Controls:**

- User Interface: Intuitive control panel with clear display for easy operation
- Digital Timer: Allows precise timing for exposure

**Design and Build:**

- Compact Design: Space-saving form factor suitable for laboratory use
- Construction: Built with durable and UV-resistant materials

**Power Requirements:**

- Power supply: 220V.

**Certifications:**

- Compliance with relevant international safety standards (e.g., CE, UL)

U.V. Light	Yes/No	Comment
<b>Manufacture.</b>	Manufacture	
<b>Model.</b>	Model	
<b>Origin:</b>	Origin	
<b>Delivery time.</b>	Weeks	
<b>3 years Full warranty.</b>	Yes/No	
<b>Brand name.</b>	Yes/No	
<b>U.V. Light Overview:</b>	Yes/No	
• U.V. Light Type: Medical Laboratory U.V. Light	Yes/No	
• Intended Use: Medical laboratory applications	Yes/No	
<b>Light Source:</b>	Yes/No	
• Light Source: U.V. lamp with appropriate wavelength and intensity	Yes/No	
<b>Wavelength Range:</b>		
• Wavelength Range: 254 - 365 nanometers (nm)		





<b>Intensity Control:</b>		
• Intensity Control: Adjustable intensity settings for various applications		
<b>Safety Features:</b>		
• Safety Features: Equipped with protective shields to prevent direct exposure to U.V. light		
<b>Timer Function:</b>		
• Timer Function: Includes timer settings for controlled exposure duration	Yes/No	
<b>Application Compatibility:</b>	Yes/No	
• Application Compatibility: Suitable for DNA analysis, gel imaging, and other lab procedures	Yes/No	
<b>Display and Controls:</b>	Yes/No	
• User Interface: Intuitive control panel with clear display for easy operation	Yes/No	
• Digital Timer: Allows precise timing for exposure	Yes/No	
<b>Design and Build:</b>	Yes/No	
• Compact Design: Space-saving form factor suitable for laboratory use		
• Construction: Built with durable and UV-resistant materials		
<b>Power Requirements:</b>		
• Power supply: 220V.		
<b>Certifications:</b>		
• Compliance with relevant international safety standards (e.g., CE, UL)		
<b>User, Application, and service manuals.</b>	Yes/No	
<b>The price includes installation with application training on-site.</b>	Yes/No	
<b>Complete and Ready to use with all accessories.</b>	Yes/No	
<b>10 years availability for spare parts.</b>	Yes/No	
<b>Date of manufacture not less than 2023.</b>	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أو نواقص.	Yes/No	

