

Q323.2023

رقم الاستدراج:

التاريخ 29/08/2023

السادة:

تلفون:

إيميل:

BR2223-00

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

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	دولار	المجموع الكلي (ش.ض)			
ختم وتوقيع المورد:			تعليمات الاستدراج		
			الإثنين	** آخر موعد لتسليم العروض هو يوم:	** الموافق:
			04/09/2023		
			أجهزة ولوازم طبية ومخبرية + تجارب فيزياء	طبيعة البنود المطلوبة:	
			دولار	بعملة:	
			مقر الجامعة في رام الله	الأسعار تشمل التوصيل ل:	
			توريد كامل	نوع التوريد:	
			بالظرف المغلق	يرجى إرسال العرض ب:	
شروط الاستدراج:					
<p>** ضرورة تحديد مدة الكفالة إن وجدت. تقديم كفالة حسن تنفيذ بقيمة 10 % من اجمالي عرض السعر .</p> <p>** ضرورة تحديد مدة التوريد من تاريخ استلام امر الشراء، وفي حال عدم الالتزام يتم فرض غرامة تأخير .</p> <p>** ختم وتوقيع المورد المعتمد على هذا النموذج، وكتابة رقم الاستدراج واسم الشركة كما هو مسجل لدى الضريبة على الظرف.</p> <p>** للمراجعة والاستفسار بخصوص المواصفات يرجى الاتصال على هاتف 042418888 رقم داخلي 1481</p> <p>** للمراجعة والاستفسار بخصوص المواصفات عن طريق فاكس 042510972 أو بريد الكتروني manal.daraghmah@aaup.edu</p> <p>** لمشاهدة العطاءات والاستدراجات، يرجى الدخول الى الرابط http://www.aaup.edu/tenders</p>					

مدير دائرة اللوازم و المشتريات



Item #1 Centrifuge machine

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: USA, EURO, Japan

Operational Features:

- Programmability: Easily programmable with user-friendly operation
- Free Angle Rotation: Capability for free angle rotation
- Program Storage: Allows storage of a minimum of 10 programs

Speed and RCF:

- Speed Range: 300-5000rpm, adjustable in 100rpm increments
- Maximum RCF: 2490×g, adjustable in 100×g increments

Control Panel and Diagnostics:

- Digital Control Panel: Equipped with a digital control panel displaying status and diagnostics messages
- Speed Accuracy: +/- 20rpm accuracy

Rotor and Capacity:

- Rotor Capacity: Accommodates 8 x 15ml centrifuge tubes, 12 x 10ml/7ml/5ml vacutainer tubes

Operation and Motor:

- Adjustable Running Time: Allows adjustable running time and continuous operation
- Brushless DC Motor: Powered by a reliable and maintenance-free brushless DC motor

Safety Features:

- Safety Measures: Includes door interlock, over-speed detection, and automatic internal diagnosis
- Low Noise and Vibration: Operates with low noise levels and minimal vibration

Power Supply:

- Power Supply: 230V, 50/60Hz

Included Accessories:

- Comprehensive Package: The price includes all necessary accessories for startup and operation

Safety and Training:

- Regulatory Compliance: Preferred to be an FDA or CE-approved product
- Documentation: User and service manual provided in English
- Operator Training: Full application training for operators conducted on-site
- Spare Parts Information: List of important spare parts and accessories with part numbers and costs
- Spare Parts Availability: Recommended spare parts to be available for at least 10 years

ومتطلبات السعر يشمل التوريد والتركيب ويجب أن يتم توضيح جميع متطلبات التركيب في عرض السعر من مساحة وملحقات

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

<u>PRF Centrifuge machine</u>	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin: USA, Europe, Japan.	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
Operational Features:	Yes/No	
• Programmability: Easily programmable with user-friendly operation	Yes/No	
• Free Angle Rotation: Capability for free angle rotation	Yes/No	



<ul style="list-style-type: none"> Program Storage: Allows storage of a minimum of 10 programs 	Yes/No	
Speed and RCF:	Yes/No	
<ul style="list-style-type: none"> Speed Range: 300-5000rpm, adjustable in 100rpm increments 	Yes/No	
<ul style="list-style-type: none"> Maximum RCF: 2490×g, adjustable in 100×g increments 	Yes/No	
Control Panel and Diagnostics:	Yes/No	
<ul style="list-style-type: none"> Digital Control Panel: Equipped with a digital control panel displaying status and diagnostics messages 	Yes/No	
<ul style="list-style-type: none"> Speed Accuracy: +/- 20rpm accuracy 	Yes/No	
Rotor and Capacity:	Yes/No	
<ul style="list-style-type: none"> Rotor Capacity: Accommodates 8 x 15ml centrifuge tubes, 12 x 10ml/7ml/5ml vacutainer tubes 	Yes/No	
Operation and Motor:	Yes/No	
<ul style="list-style-type: none"> Adjustable Running Time: Allows adjustable running time and continuous operation 	Yes/No	
<ul style="list-style-type: none"> Brushless DC Motor: Powered by a reliable and maintenance-free brushless DC motor 	Yes/No	
Safety Features:	Yes/No	
<ul style="list-style-type: none"> Safety Measures: Includes door interlock, over-speed detection, and automatic internal diagnosis 	Yes/No	
<ul style="list-style-type: none"> Low Noise and Vibration: Operates with low noise levels and minimal vibration 	Yes/No	
Power Supply:	Yes/No	
<ul style="list-style-type: none"> Power Supply: 230V, 50/60Hz 	Yes/No	
Included Accessories:	Yes/No	
<ul style="list-style-type: none"> Comprehensive Package: The price includes all necessary accessories for startup and operation 	Yes/No	
Safety and Training:	Yes/No	
<ul style="list-style-type: none"> Regulatory Compliance: Preferred to be an FDA or CE-approved product 	Yes/No	
<ul style="list-style-type: none"> Documentation: User and service manual provided in English 	Yes/No	
<ul style="list-style-type: none"> Operator Training: Full application training for operators conducted on-site 	Yes/No	
<ul style="list-style-type: none"> Spare Parts Information: List of important spare parts and accessories with part numbers and costs 	Yes/No	
<ul style="list-style-type: none"> Spare Parts Availability: Recommended spare parts to be available for at least 10 years 	Yes/No	
User 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	
10 years availability for spare parts.	Yes/No	
Date of manufacture not less than 2023.	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	



Item #2 Benchtop PH Meter:

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: USA, EURO, Japan

Parameter and Features:

- Measured Parameters: pH, mV, Temperature
- Design: Benchtop design for ease of use

Measurement Ranges and Accuracy:

- pH Range: 0 – 20
- pH Resolution: 0.001
- pH Accuracy: ± 0.001
- Temperature Range: -10°C to 100°C

Probe Specifications:

- Combined pH and Temperature Probe: Provides simultaneous pH and temperature measurement
- Probe Type: Interchangeable, gel-filled, non-refillable plastic probe
- Temperature Measurement: Manual or automatic recognition by the probe (integrated temperature in pH probe)

Display and Readability:

- Large Screen Display: Easy-to-read measurements displayed on a spacious screen

Calibration and Memory:

- Calibration: Automatic one or two-point calibration using buffer solutions (pH 4, 7, 10)
- Data Memory: Stores measurement data and calibration history

Power Supply:

- Power Source: Battery-operated

Waterproof Design:

- Waterproof: Designed to withstand exposure to water

Safety and Training:

- Regulatory Compliance: CE/ISO certification for quality and safety
- Documentation: User and service manual provided in English
- Operator Training: Comprehensive on-site training for operators
- Spare Parts Information: List of essential spare parts and accessories with part numbers and costs
- Spare Parts Availability: Recommended spare parts to be available for at least 10 years

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

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

<u>Benchtop PH Meter</u>	Yes/No	Comment
Manufacture.	Manufactur e	
Model.	Model	
Origin: USA, Europe, Japan.	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	



Brand name.	Yes/No	
Parameter and Features:	Yes/No	
• Measured Parameters: pH, mV, Temperature	Yes/No	
• Design: Benchtop design for ease of use	Yes/No	
Measurement Ranges and Accuracy:	Yes/No	
• pH Range: 0 – 20	Yes/No	
• pH Resolution: 0.001	Yes/No	
• pH Accuracy: ±0.001	Yes/No	
• Temperature Range: -10°C to 100°C	Yes/No	
Probe Specifications:	Yes/No	
• Combined pH and Temperature Probe: Provides simultaneous pH and temperature measurement	Yes/No	
• Probe Type: Interchangeable, gel-filled, non-refillable plastic probe	Yes/No	
• Temperature Measurement: Manual or automatic recognition by the probe (integrated temperature in pH probe)	Yes/No	
Display and Readability:	Yes/No	
• Large Screen Display: Easy-to-read measurements displayed on a spacious screen	Yes/No	
Calibration and Memory:	Yes/No	
• Calibration: Automatic one or two-point calibration using buffer solutions (pH 4, 7, 10)	Yes/No	
• Data Memory: Stores measurement data and calibration history	Yes/No	
Power Supply:	Yes/No	
• Power Source: Battery-operated	Yes/No	
Waterproof Design:	Yes/No	
• Waterproof: Designed to withstand exposure to water	Yes/No	
Safety and Training:	Yes/No	
• Regulatory Compliance: CE/ISO certification for quality and safety	Yes/No	
• Documentation: User and service manual provided in English	Yes/No	
• Operator Training: Comprehensive on-site training for operators	Yes/No	
• Spare Parts Information: List of essential spare parts and accessories with part numbers and costs	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	
10 years availability for spare parts.	Yes/No	
Date of manufacture not less than 2023.	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	



Item #3: 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)

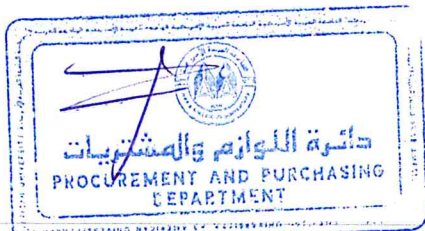
السعر يشمل التوريد والتركييب ويجب أن يتم توضيح جميع متطلبات التركيب في عرض السعر من ملحقات ومتطلبات.

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U.V. Light	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin:	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
U.V. Light Overview:	Yes/No	
• U.V. Light Type: Medical Laboratory U.V. Light	Yes/No	
• Intended Use: Medical laboratory applications	Yes/No	
Light Source:	Yes/No	
• Light Source: U.V. lamp with appropriate wavelength and intensity	Yes/No	



Wavelength Range:	Yes/No	
• Wavelength Range: 254 - 365 nanometers (nm)	Yes/No	
Intensity Control:	Yes/No	
• Intensity Control: Adjustable intensity settings for various applications	Yes/No	
Safety Features:	Yes/No	
• Safety Features: Equipped with protective shields to prevent direct exposure to U.V. light	Yes/No	
Timer Function:	Yes/No	
• Timer Function: Includes timer settings for controlled exposure duration	Yes/No	
Application Compatibility:	Yes/No	
• Application Compatibility: Suitable for DNA analysis, gel imaging, and other lab procedures	Yes/No	
Display and Controls:	Yes/No	
• User Interface: Intuitive control panel with clear display for easy operation	Yes/No	
• Digital Timer: Allows precise timing for exposure	Yes/No	
Design and Build:	Yes/No	
• Compact Design: Space-saving form factor suitable for laboratory use	Yes/No	
• Construction: Built with durable and UV-resistant materials	Yes/No	
Power Requirements:	Yes/No	
• Power supply: 220V.	Yes/No	
Certifications:	Yes/No	
• Compliance with relevant international safety standards (e.g., CE, 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	
10 years availability for spare parts.	Yes/No	
Date of manufacture not less than 2023.	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	



Item #4 5Digits Analytical Balance:

Brand name.

2 years warranty, 10 years availability of spare parts.

Origin: USA, EURO, Japan

Capacity:

- Capacity: 0.2-5 kg

Physical Features:

- Protective Cover: Equipped with a protective cover
- Readability: 0.1 g

Display and Unit:

- Display: Clear LCD
- Unit Options: Supports multiple units, including milligrams, grams, etc.

Pan and Construction:

- Stainless Steel Pan: Resistant to chemicals for durable and reliable performance

Calibration:

- Calibration: Offers both internal and external calibration options
- Calibration Certificate: Provided with a calibration certificate

Power Options:

- Power Source: Can be powered by an AC adaptor (supplied) or an internal rechargeable battery

Safety and Training:

- Documentation: User and service manual provided in English
- Operator Training: Comprehensive on-site training for operators

Installation and Price Clarification:

- Installation and Supply: The price includes supply and installation. All installation requirements and accessories must be clearly stated in the pricing offer.

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

5-Digits Analytical Balance:	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin:	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
Capacity:	Yes/No	
• Capacity: 0.2-5 kg	Yes/No	
Physical Features:	Yes/No	
• Protective Cover: Equipped with a protective cover	Yes/No	
• Readability: 0.1 g	Yes/No	
Display and Unit:	Yes/No	
• Display: Clear LCD	Yes/No	
• Unit Options: Supports multiple units, including milligrams, gram, etc.	Yes/No	
Pan and Construction:	Yes/No	



• Stainless Steel Pan: Resistant to chemicals for durable and reliable performance	Yes/No	
Calibration:	Yes/No	
• Calibration: Offers both internal and external calibration options	Yes/No	
• Calibration Certificate: Provided with a calibration certificate	Yes/No	
Power Options:	Yes/No	
• Power Source: Can be powered by an AC adaptor (supplied) or an internal rechargeable battery	Yes/No	
Safety and Training:	Yes/No	
• Documentation: User and service manual provided in English	Yes/No	
• Operator Training: Comprehensive on-site training for operators	Yes	
Installation and Price Clarification:	Yes/No	
• Installation and Supply: The price includes supply and installation. All installation requirements and accessories must be clearly stated in the pricing offer.	Yes/No	
Complete and Ready to use with all accessories.	Yes	
10 years availability for spare parts.	Yes/No	
Date of manufacture not less than 2023.	No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.		

Item #5 Binocular Microscope:

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: USA, EURO, Japan

Observation Modes:

- Observation Modes: Bright-field

Optical System:

- Optical System: Infinity Optical System

Head and Eyepieces:

- Eyepieces: Two Eyepieces WF 10X/18
- Head Inclination: Tube inclination 30°
- Head Rotation: 360°
- Interpupillary Distance: 48 - 75 mm
- Nosepiece: Quadruple reverse angle nosepiece
- Anti-Fungus Coating: Coating on objectives, eyepieces, and observation tubes

Illumination:

- Illumination Type: White LED illumination (adjustable)



- Illumination Design: Koehler illumination

Objectives:

- Infinity Objectives: 4x/0.10, 10x/0.25, 40x/0.65 (spring-loaded), 100x/1.25 (oil, spring-loaded)

Focusing:

- Focusing Mechanism: Adjustable coaxial coarse and fine focusing knob with the upper stop

Condenser:

- Condenser Type: Abbe Bright-field condenser N.A 1.25
- Features: Integrated iris diaphragm and filter tray
- Adjustable: Condenser and light intensity adjustable

Stage:

- Mechanical Stage: Double-layer mechanical stage size: 130 mm x 130 mm
- Stage Movement: Up/down movement of 20 mm
- X/Y Moving: X/Y moving range of 76 mm - 30 mm

Power:

- Power Supply: 220V, 50 Hz

Included Accessories:

- Accessories: Dust cover, filter, immersion oil, disposable delicate task wipers, instruction manual, and service manual

السعر يشمل التوريد والتركيب ويجب أن يتم توضيح جميع متطلبات التركيب 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.*

U.V. Light	Yes/No	Comment
Manufacture.	Manufacture	
Model.		
Origin:	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
Observation Modes:	Yes/No	
• Observation Modes: Bright-field	Yes/No	
Optical System:	Yes/No	
• Optical System: Infinity Optical System	Yes/No	
Head and Eyepieces:	Yes/No	
• Eyepieces: Two Eyepieces WF 10X/18	Yes/No	
• Head Inclination: Tube inclination 30°	Yes/No	
• Head Rotation: 360°	Yes/No	
• Interpupillary Distance: 48 - 75 mm	Yes/No	
• Nosepiece: Quadruple reverse angle nosepiece	Yes/No	
• Anti-Fungus Coating: Coating on objectives, eyepieces, and observation tubes	Yes/No	
Illumination:	Yes/No	
• Illumination Type: White LED illumination (adjustable)	Yes/No	
• Illumination Design: Koehler illumination	Yes/No	
Objectives:	Yes/No	



<ul style="list-style-type: none"> Infinity Objectives: 4x/0.10, 10x/0.25, 40x/0.65 (spring-loaded), 100x/1.25 (oil, spring-loaded) 	Yes/No	
Focusing:	Yes/No	
<ul style="list-style-type: none"> Focusing Mechanism: Adjustable coaxial coarse and fine focusing knob with the upper stop 	Yes/No	
Condenser:	Yes/No	
<ul style="list-style-type: none"> Condenser Type: Abbe Bright-field condenser N.A 1.25 	Yes/No	
<ul style="list-style-type: none"> Features: Integrated iris diaphragm and filter tray 	Yes/No	
<ul style="list-style-type: none"> Adjustable: Condenser and light intensity adjustable 	Yes/No	
Stage:	Yes/No	
<ul style="list-style-type: none"> Mechanical Stage: Double-layer mechanical stage size: 130 mm x 130 mm 	Yes/No	
<ul style="list-style-type: none"> Stage Movement: Up/down movement of 20 mm 	Yes/No	
<ul style="list-style-type: none"> X/Y Moving: X/Y moving range of 76 mm - 30 mm 	Yes/No	
Power:	Yes/No	
<ul style="list-style-type: none"> Power Supply: 220V, 50 Hz 	Yes/No	
Included Accessories:	Yes/No	
<ul style="list-style-type: none"> Accessories: Dust cover, filter, immersion oil, disposable delicate task wipers, instruction manual, and service manual 	Yes/No	
Safety and Training:	Yes/No	
<ul style="list-style-type: none"> Documentation: User and service manual provided in English 	Yes/No	
<ul style="list-style-type: none"> Operator Training: Comprehensive on-site training for operators 	Yes/No	
Installation and Price Clarification:	Yes/No	
<ul style="list-style-type: none"> Installation and Supply: The price includes supply and installation. All installation requirements and accessories must be clearly stated in the pricing offer. 	Yes/No	
Complete and Ready to use with all accessories.	Yes/No	
10 years availability for spare parts.	Yes/No	
Date of manufacture not less than 2023.	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	



Item #6 Hot Air Oven:

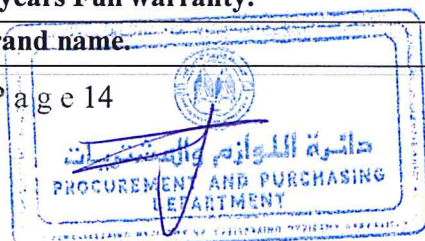
Brand name.

4 years warranty, 10 years availability of spare parts.

Origin: USA, EURO, Japan

- **Application:**
- Application: General laboratory use
- **Capacity:**
- Volume: 65 L
- **Temperature Range:**
- Temperature Range: Up to 30°C - 250°C
- **Control and Adjustability:**
- Control System: Microprocessor control
- Adjustable Parameters: Time, temperature, airflow, etc.
- **Self-Diagnostics and Display:**
- Self-Diagnostics: Includes self-diagnostics for error detection
- Display: Clear display with readable information
- **Temperature Resolution:**
- Temperature Resolution: Display resolution for set point and actual temperature values: 0.1°C
- **Program Management:**
- Program Storage: Programs stored in case of power failure
- Recovery Time: Fast recovery time for consistent performance
- **Shelves and Access:**
- Shelves: Equipped with two shelves for optimal space utilization
- Access Port: Includes an access port for added convenience
- **Power:**
- Power Supply: 220V, 50 Hz
- **Calibration and Certificate:**
- Temperature Calibration: Comes with a temperature calibration certificate
- **Safety and Training:**
- Documentation: User and service manual provided in English
- Operator Training: Comprehensive on-site training for operators
- السعر يشمل التوريد والتركييب ويجب أن يتم توضيح جميع متطلبات التركيب 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.

<u>Hot Air Oven</u>	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin: USA, Europe, Japan.	Origin	
Delivery time.	Weeks	
4 years Full warranty.	Yes/No	
Brand name.	Yes/No	



• Application:	Yes/No	
• Application: General laboratory use	Yes/No	
• Capacity:	Yes/No	
• Volume: 65 L	Yes/No	
• Temperature Range:	Yes/No	
• Temperature Range: Up to 30°C - 250°C	Yes/No	
• Control and Adjustability:	Yes/No	
• Control System: Microprocessor control	Yes/No	
• Adjustable Parameters: Time, temperature, airflow, etc.	Yes/No	
• Self-Diagnostics and Display:	Yes/No	
• Self-Diagnostics: Includes self-diagnostics for error detection	Yes/No	
Power:		
• Power Supply: 220V, 50 Hz		
• Display: Clear display with readable information	Yes/No	
• Temperature Resolution:	Yes/No	
• Temperature Resolution: Display resolution for set point and actual temperature values: 0.1°C	Yes/No	
• Program Management:	Yes/No	
• Program Storage: Programs stored in case of power failure	Yes/No	
• Recovery Time: Fast recovery time for consistent performance	Yes/No	
• Shelves and Access:	Yes/No	
• Shelves: Equipped with two shelves for optimal space utilization	Yes/No	
• Access Port: Includes an access port for added convenience	Yes/No	
• Calibration and Certificate:	Yes/No	
• Temperature Calibration: Comes with a temperature calibration certificate	Yes/No	
• Safety and Training:	Yes/No	
• Documentation: User and service manual provided in English	Yes/No	
• Operator Training: Comprehensive on-site training for operators	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 ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	
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Item #7 Fume Hood:

Brand name.

3 years warranty, 10 years availability of spare parts.

Application and Usage:

- Application: Suitable for use in medical laboratory environments

Construction and Materials:

- Durable Construction: Sturdy and durable design for long-lasting performance
- Material: High-quality, chemical-resistant materials to ensure safety

Design:

- Design: Efficient and ergonomic design for optimal airflow and user comfort

Airflow Control:

- Airflow Control: Equipped with adjustable airflow controls for effective containment

Sash Mechanism:

- Sash Design: Ergonomic sash design for ease of use
- Sash Type: Vertical sliding or other appropriate mechanism

Lighting and Visibility:

- Lighting: Integrated lighting for clear visibility and safety
- Visibility: Transparent and shatter-resistant viewing panels

Exhaust System:

- Exhaust System: Powerful exhaust system to efficiently remove fumes and contaminants

Safety Features:

- Safety Features: Built-in safety mechanisms for emergency situations
- Alarm Systems: Audible and visual alarms for abnormal conditions

Electrical Outlets:

- Electrical Outlets: Convenient electrical outlets for lab equipment

Power Requirements:

- Power Supply: 220V, 50 Hz

Certifications:

- Compliance: Conforms to relevant safety and environmental standards
- Certification: Material should be certified to meet applicable safety and chemical resistance standards, such as ASTM or ISO standards

Installation and Training:

- Installation: Professional installation services for proper setup
- Training: Comprehensive training for users and maintenance staff

Documentation:

- Manuals: User and service manuals provided in English
- Maintenance Guidelines: Clear guidelines for ongoing maintenance

• السعر يشمل التوريد والتركيب ويجب أن يتم توضيح جميع متطلبات التركيب 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.



<i>Fume Hood</i>	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin:	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
Application and Usage:	Yes/No	
<ul style="list-style-type: none"> Application: Suitable for use in medical laboratory environments 	Yes/No	
Construction and Materials:	Yes/No	
<ul style="list-style-type: none"> Durable Construction: Sturdy and durable design for long-lasting performance 	Yes/No	
<ul style="list-style-type: none"> Material: High-quality, chemical-resistant materials to ensure safety 	Yes/No	
Design:	Yes/No	
<ul style="list-style-type: none"> Design: Efficient and ergonomic design for optimal airflow and user comfort 	Yes/No	
Airflow Control:	Yes/No	
<ul style="list-style-type: none"> Airflow Control: Equipped with adjustable airflow controls for effective containment 	Yes/No	
Sash Mechanism:	Yes/No	
<ul style="list-style-type: none"> Sash Design: Ergonomic sash design for ease of use 	Yes/No	
<ul style="list-style-type: none"> Sash Type: Vertical sliding or other appropriate mechanism 	Yes/No	
Lighting and Visibility:	Yes/No	
<ul style="list-style-type: none"> Lighting: Integrated lighting for clear visibility and safety 	Yes/No	
<ul style="list-style-type: none"> Visibility: Transparent and shatter-resistant viewing panels 	Yes/No	
Exhaust System:	Yes/No	
<ul style="list-style-type: none"> Exhaust System: Powerful exhaust system to efficiently remove fumes and contaminants 	Yes/No	
Safety Features:	Yes/No	
<ul style="list-style-type: none"> Safety Features: Built-in safety mechanisms for emergencies 	Yes/No	
<ul style="list-style-type: none"> Alarm Systems: Audible and visual alarms for abnormal conditions 	Yes/No	
Electrical Outlets:	Yes/No	
<ul style="list-style-type: none"> Electrical Outlets: Convenient electrical outlets for lab equipment 	Yes/No	
Power Requirements:	Yes/No	
<ul style="list-style-type: none"> Power Supply: 220V, 50 Hz 	Yes/No	
Certifications:	Yes/No	
<ul style="list-style-type: none"> Compliance: Conforms to relevant safety and environmental standards 	Yes/No	



<ul style="list-style-type: none"> • Certification: Material should be certified to meet applicable safety and chemical resistance standards, such as ASTM or ISO standards 	Yes/No	
Installation and Training:	Yes/No	
<ul style="list-style-type: none"> • Installation: Professional installation services for proper setup 	Yes/No	
<ul style="list-style-type: none"> • Training: Comprehensive training for users and maintenance staff 	Yes/No	
Documentation:	Yes/No	
<ul style="list-style-type: none"> • Manuals: User and service manuals provided in English 	Yes/No	
<ul style="list-style-type: none"> • Maintenance Guidelines: Clear guidelines for ongoing maintenance 	Yes/No	
Complete and Ready to use with all accessories.	Yes/No	
10 years availability for spare parts.	Yes/No	
Date of manufacture not less than 2023.	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	

Item 9: Electric pipette

Channel type : Single channel
 Operation : Electronic
 Pipetting type : Air-cushion
 Volume range: 0.1 – 100 mL
 Weight : 160 g
 Rechargeable battery.
 Capacity : 1,100 mAh/3.7 V
 Charging time : ~3 h
 Number of dispensing : ~2,000 (with a 25 mL pipette)
 Type : Lithium polymer
 Mains/power supply
 Input: 100 V – 240 V AC \pm 10 %, 50 Hz – 60 Hz, 0.5 A
 Output : 5 V DC, 1.0 A



Item #11 Hot Plate Magnetic Stirrer:

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: USA, EURO, Japan

Application and Usage:

- Application: Suitable for use in medical laboratory environments

Heating and Stirring Capabilities:

- Heating Plate: Equipped with a heating plate for controlled temperature
- Magnetic Stirring: Capable of providing efficient and consistent magnetic stirring

Temperature Control:

- Temperature Range: Room temperature up to 250°C
- Temperature Control: Adjustable temperature control for precise heating

Stirring Speed:

- Stirring Speed: Variable stirring speed control for different applications

Physical Features:

- Material: Constructed with durable and chemically resistant materials
- Design: Compact and ergonomic design for easy operation

Display and Controls:

- Display: Clear display indicating temperature and stirring speed
- Controls: User-friendly controls for easy adjustment

Safety Features:

- Overheat Protection: Equipped with overheat protection for enhanced safety
- Non-Slip Feet: Stable and non-slip feet for secure placement

Power Requirements:

- Power Supply: 220V, 50 Hz

Certifications:

- Compliance: Conforms to relevant safety and environmental standards

Installation and Training:

- Installation: Professional installation services for proper setup
- Training: Comprehensive training for users and maintenance staff

Documentation:

- Manuals: User and service manuals provided in English
- Maintenance Guidelines: Clear guidelines for ongoing maintenance

• السعر يشمل التوريد والتركيب ويجب أن يتم توضيح جميع متطلبات التركيب 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.**

Hot Plate Magnetic Stirrer	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin:	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	



Application and Usage:	Yes/No	
<ul style="list-style-type: none"> Application: Suitable for use in medical laboratory environments 	Yes/No	
Heating and Stirring Capabilities:	Yes/No	
<ul style="list-style-type: none"> Heating Plate: Equipped with a heating plate for controlled temperature 	Yes/No	
<ul style="list-style-type: none"> Magnetic Stirring: Capable of providing efficient and consistent magnetic stirring 	Yes/No	
Temperature Control:	Yes/No	
<ul style="list-style-type: none"> Temperature Range: Room temperature up to 250°C 	Yes/No	
<ul style="list-style-type: none"> Temperature Control: Adjustable temperature control for precise heating 	Yes/No	
Stirring Speed:	Yes/No	
<ul style="list-style-type: none"> Stirring Speed: Variable stirring speed control for different applications 	Yes/No	
Physical Features:	Yes/No	
<ul style="list-style-type: none"> Material: Constructed with durable and chemically resistant materials 	Yes/No	
<ul style="list-style-type: none"> Design: Compact and ergonomic design for easy operation 	Yes/No	
Display and Controls:	Yes/No	
<ul style="list-style-type: none"> Display: Clear display indicating temperature and stirring speed 	Yes/No	
<ul style="list-style-type: none"> Controls: User-friendly controls for easy adjustment 	Yes/No	
Safety Features:	Yes/No	
<ul style="list-style-type: none"> Overheat Protection: Equipped with overheat protection for enhanced safety 	Yes/No	
<ul style="list-style-type: none"> Non-Slip Feet: Stable and non-slip feet for secure placement 	Yes/No	
Power Requirements:	Yes/No	
<ul style="list-style-type: none"> Power Supply: 220V, 50 Hz 	Yes/No	
Certifications:	Yes/No	
<ul style="list-style-type: none"> Compliance: Conforms to relevant safety and environmental standards 	Yes/No	
Installation and Training:	Yes/No	
<ul style="list-style-type: none"> Installation: Professional installation services for proper setup 	Yes/No	
<ul style="list-style-type: none"> Training: Comprehensive training for users and maintenance staff 	Yes/No	
Documentation:	Yes/No	
<ul style="list-style-type: none"> Manuals: User and service manuals provided in English 	Yes/No	
<ul style="list-style-type: none"> Maintenance Guidelines: Clear guidelines for ongoing maintenance 	Yes/No	
Complete and Ready to use with all accessories.	Yes/No	
10 years availability for spare parts.	Yes/No	



Date of manufacture not less than 2023.	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	

Item 12: Barometer station with thermometer and hygrometer

Classic Wall Weather Station Stainless Steel Frame with three dials

Thermometer -30°C to 55°C ••• Barometer 960 hPa to 1060 hPa ••• Hygrometer 0% to 100% RH

Can forecast the weather by measuring air pressure changes , Analog functioning , no battery needed

Supplied with : adjustment tool , User manual , Mounting materials screws and dowels

Size: Height 30 cm, width 10 cm, depth 1.5 cm, weight 310g,

Item 13 Calorimeter

Introduction:

The calorimeter with heating coil is used for determining the specific heat capacity of solids and liquids and for measuring the electric near equivalent.

The calorimeter consists of a mutually insulated aluminum beaker and a plastic outer vessel with a lid with rubber stopper with boreholes for thermometer and stirrer, and a heating coil.

Technical Specifications:

Outer vessel:

Plastic, 140 x 100mm

inner vessel:

Aluminium, 70 x 65mm.

Heater Power: 12W

Insulation Material : Styrofoam

Dimensions :

6.5cm inside diameter

6.5cm deep

1.5 cm wall thickness

Item #14: Water bath

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: Brand name

Volume: 22 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).

السعر يشمل التوريد والتركييب ويجب أن يتم توضيح جميع متطلبات التركيب 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.

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: 22 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	
Price includes installation training in site	Yes / No	
User's and service manual	Yes / No	
Date of manufacture of the machine not less than 2023	Yes / No	

Item #15: Circulating Water Vacuum Pump

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: Brand name

- 15L Circulating Water Vacuum Pump
- For biology lab application and chemistry.
- Material: Stainless Steel, Copper, ABS Plastic
- Single-Tap Sucking Rate: 10L/min
- Max. Vacuum Degree: ~0.098Mpa
- Flow: ~60L/min
- Tank Volume: 15L
- Motor Power: 180W or more
- Complete, pump, bottle, and tube.
- 220v .

• **السعر يشمل التوريد والتركيب ويجب أن يتم توضيح جميع متطلبات التركيب 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.***

Vacuum Pump	Yes/No	Comment
Manufacture	Manufacture	



Model	Model	
Origin	Origin	
Delivery time	Delivery time	
3 years warranty		
• 15L Circulating Water Vacuum Pump	Yes/No	
• For biology lab application and chemistry.	Yes/No	
• Material: Stainless Steel, Copper, ABS Plastic	Yes/No	
• Single-Tap Sucking Rate: 10L/min	Yes/No	
• Max. Vacuum Degree: ~0.098Mpa	Yes/No	
• Flow: ~60L/min	Yes/No	
• Tank Volume: 15L	Yes/No	
• Motor Power: 180W or more	Yes/No	
• Complete, pump, bottle, and tube.	Yes/No	
• 220v .	Yes/No	
Complete and Ready to use with all accessories.	Yes/No	
10 years availability for spare parts.	Yes/No	
Date of manufacture not less than 2023.	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	

Item #16: Flaked ice maker

Brand name.

3 years warranty, 10 years availability of spare parts

Origin: Brand name. USA, EURO, Japan

Application and Usage:

- Application: Designed for producing flaked ice in medical laboratory environments

Production Capacity:

- Flake Production for 24 Hours: ~395 lbs. (179 kg)

Storage Capacity:

- Storage Tank Capacity: ~80 lbs. (36 kg)

Cooling System:

- Cooling System: Water cooling system for efficient ice production

Cooling Capacity:

- Cooling Capacity: BTU Per Hour: 3,000

Power Supply:

- Power Supply: 220 V

Construction and Material:

- Construction: Constructed using high-quality materials for durability

Operation and Controls:

- Control Panel: Equipped with user-friendly controls for easy operation

Safety Features:

- Safety Features: Designed with safety features to prevent hazards

Certifications:

- Compliance: Conforms to relevant safety and environmental standards



Installation and Training:

- Installation: Ready to use without complex installation
- Training: Basic training for users on proper usage

Documentation:

- Manuals: User manual provided in English
- Maintenance Guidelines: Clear guidelines for ongoing maintenance

السعر يشمل التوريد والتركيب ويجب أن يتم توضيح جميع متطلبات التركيب 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.*

Flaked ice maker	Yes/NO	Comment
Manufacture	Manufacture	
Model	Model	
Origin	Origin	
Delivery time	Delivery time	
3 years warranty 10 years availability for spare parts	Yes/No	
Application and Usage:	Yes/No	
• Application: Designed for producing flaked ice in medical laboratory environments	Yes/No	
Production Capacity:	Yes/No	
• Flake Production for 24 Hours: ~395 lbs. (179 kg)	Yes/No	
Storage Capacity:	Yes/No	
• Storage Tank Capacity: ~80 lbs. (36 kg)	Yes/No	
Cooling System:	Yes/No	
• Cooling System: Water cooling system for efficient ice production	Yes/No	
Cooling Capacity:	Yes/No	
• Cooling Capacity: BTU Per Hour: 3,000	Yes/No	
Power Supply:	Yes/No	
• Power Supply: 220 V	Yes/No	
Construction and Material:	Yes/No	
• Construction: Constructed using high-quality materials for durability	Yes/No	
Operation and Controls:	Yes/No	
• Control Panel: Equipped with user-friendly controls for easy operation	Yes/No	
Safety Features:	Yes/No	
• Safety Features: Designed with safety features to prevent hazards	Yes/No	
Certifications:	Yes/No	
• Compliance: Conforms to relevant safety and environmental standards	Yes/No	
Installation and Training:	Yes/No	
• Installation: Ready to use without complex installation	Yes/No	
• Training: Basic training for users on proper usage	Yes/No	
Documentation:	Yes/No	



• Manuals: User manual provided in English	Yes/No	
• Maintenance Guidelines: Clear guidelines for ongoing maintenance	Yes/No	
User's and service manual.	Yes/No	
The price includes installation and team training on-site.	Yes/No	
References in Palestine are Attached to your offer	Yes/No	
10 years availability for spare parts	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.		
Date of manufacture not less than 2023	Yes/No	

Item #17: 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 µS/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.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
Water distiller with a capacity of 6 liters in 1 hour.	Yes/No	
• Ion exchange reverse osmosis system	Yes/No	



• Source and manufacturing should be in USA, EURO, and Japan not the designing only.	Yes/No	
• Easy to use and reliable at all times.	Yes/No	
• Low cost, compared to the distiller	Yes/No	
• Benchtop designed.	Yes/No	
• Distillate conductivity: ~ 2,5 µS/cm (at 25° C)	Yes/No	
• Daily average of 120 liters of water.	Yes/No	
• Stainless steel water tank.	Yes/No	
• Thermostatic low-water cut-off safety system	Yes/No	
• Please price all annual consumables for the device, otherwise, the price offer will not be considered.	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 ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	

Item #18: MELTING POINT APPARATUS

3 years warranty, 10 years availability of spare parts.

Origin: Brand name USA, EURO, Japan

- For educational use.
- Analog melting point.
- Temperature range: Ambient to 300 C.
- Number of samples: up to 3 simultaneously.
- With thermometer and pack of 200 melting point tubes sealed one aside (include with your Unit price)
- Electrical supply: 220 v.

• 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.

MELTING POINT APPARATUS	Yes/No	Comment
Manufacture	Manufacture	
Model	Model	
Origin	Origin	
Delivery time	Delivery time	
3 years warranty	Yes/No	
For educational use.	Yes/No	
Analog melting point.	Yes/No	
Temperature range: Ambient to 300C.	Yes/No	



Number of samples: up to 3 simultaneously.	Yes/No	
With a thermometer and pack of 200 melting point tubes. sealed one aside	Yes/No	
Power: 220 V.	Yes/No	
User's and service manual.	Yes/No	
The price includes installation and team training on-site.	Yes/No	
References in Palestine are Attached to your offer	Yes/No	
3 years warranty	Yes/No	
10 years availability for spare parts	Yes/No	
Optional price		
100 melting point tubes closed at one side.	Price	
Heater element	Price	
Thermostat	Price	

Item #19: Heating Mantel (Electromantle)

Brand name.

3 years warranty, 10 years availability of spare parts

Origin: Brand name. USA, EURO, Japan

Application and Usage:

- Application: Designed for precise and controlled heating of liquids in scientific laboratory environments

Capacity:

- Capacity: Suitable for 500 ml round-bottom flasks

Heating Power:

- Heating Power: 200 Watts

Temperature Range:

- Temperature Range: 50°C to 450°C

Heating Element:

- Heating Element: High-quality heating element for uniform heating

Control and Display:

- Control: Adjustable control for setting the desired temperature
- Display: Clear digital display for easy monitoring of temperature

Safety Features:

- Overheat Protection: Equipped with overheat protection for safety

Construction and Material:

- Construction: Sturdy construction using heat-resistant materials

Power Supply:

- Power Supply: 220 V, 50/60 Hz

Certifications:

- Compliance: Conforms to relevant safety and environmental standards
- Certification: CE certified

Installation and Training:

- Installation: Ready to use without complex installation
- Training: Basic training for users on proper usage

Documentation:

- Manuals: User manual provided in English



- Maintenance Guidelines: Clear guidelines for ongoing maintenance

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.***

Heating Mantel (Electromantle)	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin:	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
Application and Usage:	Yes/No	
<ul style="list-style-type: none"> • Application: Designed for precise and controlled heating of liquids in scientific laboratory environments 	Yes/No	
Capacity:	Yes/No	
<ul style="list-style-type: none"> • Capacity: Suitable for 500 ml round-bottom flasks 	Yes/No	
Heating Power:	Yes/No	
<ul style="list-style-type: none"> • Heating Power: 200 Watts 	Yes/No	
Temperature Range:	Yes/No	
<ul style="list-style-type: none"> • Temperature Range: 50°C to 450°C 	Yes/No	
Heating Element:	Yes/No	
<ul style="list-style-type: none"> • Heating Element: High-quality heating element for uniform heating 		
Control and Display:		
<ul style="list-style-type: none"> • Control: Adjustable control for setting the desired temperature 		
<ul style="list-style-type: none"> • Display: Clear digital display for easy monitoring of temperature 		
Safety Features:		
<ul style="list-style-type: none"> • Overheat Protection: Equipped with overheat protection for safety 		
Construction and Material:		
<ul style="list-style-type: none"> • Construction: Sturdy construction using heat-resistant materials 		
Power Supply:		
<ul style="list-style-type: none"> • Power Supply: 220 V, 50/60 Hz 		
Certifications:		
<ul style="list-style-type: none"> • Compliance: Conforms to relevant safety and environmental standards 	Yes/No	
<ul style="list-style-type: none"> • Certification: CE certified 	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 ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	

Item#20 :

Gel Caster and Gel Electrophoresis Apparatus with Power Supply

Brand name.

3 years warranty, 10 years availability of spare parts

Origin: Brand name. USA, EURO, Japan

Application and Usage:

- Application: Designed for gel electrophoresis experiments in scientific laboratory environments

Electrophoresis Apparatus:

- Model: [Specify Model Number or Equivalent]
- Gel Size Compatibility: Compatible with standard gel sizes (e.g., 10 cm x 10 cm, 15 cm x 15 cm)
- Construction: Sturdy construction using high-quality materials

Gel Caster:

- Model: [Specify Model Number or Equivalent]
- Casting Tray: Included casting tray for gel preparation
- Comb Compatibility: Compatible with standard comb types (e.g., 1-well, 8-well)

Power Supply:

- Model: [Specify Model Number or Equivalent]
- Voltage Output: 0-300 V
- Current Output: 0-400 mA
- Adjustable: Voltage and current can be adjusted as needed
- Safety Features: Equipped with overcurrent protection and short-circuit protection

Electrode Material:

- Electrodes: Platinum-coated electrodes for efficient and consistent electrophoresis

Clamps and Connectors:

- Clamps: Secure clamps with adjustable tension for holding gel cassettes in place
- Connectors: Standard banana connectors for easy assembly and disassembly

Construction and Material:

- Construction: Durable and chemical-resistant materials for long-lasting use

Control and Display:

- Control: User-friendly controls for setting electrophoresis parameters (voltage, current, timer)
- Display: Clear digital display for monitoring voltage, current, and timer

Safety Features:

- Overload Protection: Equipped with overload protection for safety

Power Supply:

- Power Supply: 220 V, 50/60 Hz

Certifications:

- Compliance: Conforms to relevant safety and environmental standards
- Certification: CE certified

Installation and Training:

- Installation: Ready to use without complex installation
- Training: Basic training for users on proper usage



Documentation:

- Manuals: User manuals provided in English
- Maintenance Guidelines: Clear guidelines for ongoing maintenance

السعر يشمل التوريد والتركييب 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.

Gel Caster and Gel Electrophoresis Apparatus with Power Supply	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin:	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
Application and Usage:	Yes/No	
<ul style="list-style-type: none">• Application: Designed for gel electrophoresis experiments in scientific laboratory environments	Yes/No	
Electrophoresis Apparatus:	Yes/No	
<ul style="list-style-type: none">• Model: [Specify Model Number or Equivalent]	Model	
<ul style="list-style-type: none">• Gel Size Compatibility: Compatible with standard gel sizes (e.g., 10 cm x 10 cm, 15 cm x 15 cm)	Yes/No	
<ul style="list-style-type: none">• Construction: Sturdy construction using high-quality materials	Yes/No	
Gel Caster:	Yes/No	
<ul style="list-style-type: none">• Model: [Specify Model Number or Equivalent]	Model	
<ul style="list-style-type: none">• Casting Tray: Included casting tray for gel preparation	Yes/No	
<ul style="list-style-type: none">• Comb Compatibility: Compatible with standard comb types (e.g., 1-well, 8-well)	Yes/No	
Power Supply:	Yes/No	
<ul style="list-style-type: none">• Model: [Specify Model Number or Equivalent]	Model	
<ul style="list-style-type: none">• Voltage Output: 0-300 V	Yes/No	
<ul style="list-style-type: none">• Current Output: 0-400 mA	Yes/No	
<ul style="list-style-type: none">• Adjustable: Voltage and current can be adjusted as needed	Yes/No	
<ul style="list-style-type: none">• Safety Features: Equipped with overcurrent protection and short-circuit protection	Yes/No	
Electrode Material:	Yes/No	
<ul style="list-style-type: none">• Electrodes: Platinum-coated electrodes for efficient and consistent electrophoresis	Yes/No	
Clamps and Connectors:	Yes/No	



• Clamps: Secure clamps with adjustable tension for holding gel cassettes in place	Yes/No	
• Connectors: Standard banana connectors for easy assembly and disassembly	Yes/No	
Construction and Material:	Yes/No	
• Construction: Durable and chemical-resistant materials for long-lasting use	Yes/No	
Control and Display:	Yes/No	
• Control: User-friendly controls for setting electrophoresis parameters (voltage, current, timer)	Yes/No	
• Display: Clear digital display for monitoring voltage, current, and timer	Yes/No	
Safety Features:	Yes/No	
• Overload Protection: Equipped with overload protection for safety	Yes/No	
Power Supply:	Yes/No	
• Power Supply: 220 V, 50/60 Hz	Yes/No	
Certifications:	Yes/No	
• Compliance: Conforms to relevant safety and environmental standards	Yes/No	
• Certification: CE certified	Yes/No	
Installation and Training:	Yes/No	
• Installation: Ready to use without complex installation	Yes/No	
• Training: Basic training for users on proper usage	Yes/No	
Documentation:	Yes/No	
• Manuals: User manuals provided in English	Yes/No	
• Maintenance Guidelines: Clear guidelines for ongoing maintenance	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 ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	



Item #27 Dissecting / Stereo Microscope

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: USA, EURO, Japan

Application and Usage:

- Application: Suitable for various scientific laboratory tasks, including dissections, examinations, and manipulations
- Usage: Ideal for researchers, students, and professionals requiring detailed specimen visualization

Specifications:

- Magnification: Adjustable magnification range (e.g., 7x - 40x)
- Objective Lenses: A variety of objective lenses, including 1x, 2x, and 4x, with numerical apertures (NA) up to 0.35
- Illumination: Built-in LED illumination system with adjustable intensity
- Working Distance: Flexible working distance, typically ranging from 25mm to 100mm

Power Supply:

- Power Supply: 230V, 50/60Hz

Included Accessories:

- Comprehensive Package: The price includes all necessary accessories for startup and operation

Safety and Training:

- Regulatory Compliance: Preferred to be an FDA or CE-approved product
- Documentation: User and service manual provided in English
- Operator Training: Full application training for operators conducted on-site
- Spare Parts Information: List of important spare parts and accessories with part numbers and costs
- Spare Parts Availability: Recommended spare parts to be available for at least 10 years

ومتطلبات السعر يشمل التوريد والتركيب ويجب أن يتم توضيح جميع متطلبات التركيب في عرض السعر من مساحة وملحقات

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

<u>Dissecting / Stereo Microscope</u>	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin: USA, Europe, Japan.	Origin	
Delivery time.	Weeks	
3 years Full warranty.	Yes/No	
Brand name.	Yes/No	
Application and Usage:	Yes/No	
<ul style="list-style-type: none"> • Application: Suitable for various scientific laboratory tasks, including dissections, examinations, and manipulations 	Yes/No	
<ul style="list-style-type: none"> • Usage: Ideal for researchers, students, and professionals requiring detailed specimen visualization 	Yes/No	
Specifications:	Yes/No	



• Magnification: Adjustable magnification range (e.g., 7x - 40x)	Yes/No	
• Objective Lenses: A variety of objective lenses, including 1x, 2x, and 4x, with numerical apertures (NA) up to 0.35	Yes/No	
• Illumination: Built-in LED illumination system with adjustable intensity	Yes/No	
• Working Distance: Flexible working distance, typically ranging from 25mm to 100mm	Yes/No	
Power Supply:	Yes/No	
• Power Supply: 230V, 50/60Hz	Yes/No	
Included Accessories:	Yes/No	
• Comprehensive Package: The price includes all necessary accessories for startup and operation	Yes/No	
Safety and Training:	Yes/No	
• Regulatory Compliance: Preferred to be an FDA or CE-approved product	Yes/No	
• Documentation: User and service manual provided in English	Yes/No	
• Operator Training: Full application training for operators conducted on-site	Yes/No	
• Spare Parts Information: List of important spare parts and accessories with part numbers and costs	Yes/No	
• Spare Parts Availability: Recommended spare parts to be available for at least 10 years	Yes/No	
User 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	
10 years availability for spare parts.	Yes/No	
Date of manufacture not less than 2023.	Yes/No	
في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.	Yes/No	

Item #28: UV/VIS Spectrophotometer

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: Brand name USA, EURO, Japan

Application and Usage:

- Application: Suitable for use in scientific laboratory environments
- UV-Visible Spectroscopy: Capable of UV-Visible spectroscopic analysis

Wavelength Range:

- Wavelength Range: 320 to 1100 nm

Optical System:

- Optical System: Single beam, grating monochromator

Detector:

- Detector Type: Silicon photodiode array
- Detection Modes: Absorbance, %T, concentration, kinetics



Resolution and Accuracy:

- Wavelength Resolution: 1 nm
- Wavelength Accuracy: ± 2 nm

Data Output:

- Data Output: Digital output for data analysis and processing

Sample Compartment:

- Sample Compartment: Accommodates standard 10 mm path length cuvettes

Display and Controls:

- Display: 4.3-inch color touchscreen display
- Controls: Intuitive touchscreen controls for easy adjustment and operation

Data Storage and Connectivity:

- Data Storage: Internal storage for method and data storage
- Connectivity: USB and Ethernet connectivity for data transfer

Software Compatibility:

- Software Compatibility: Compatible with DataWay PC software for data analysis

Safety Features:

- UV Protection: Equipped with UV safety measures for user protection
- System Integrity: Self-test and diagnostics for system integrity

Power Requirements:

- Power Supply: Power Supply: 220V, 50 Hz

Certifications:

- Compliance: Conforms to relevant safety and environmental standards
- Certification: CE (Conformité Européenne) certification for European safety standards

Installation and Training:

- Installation: Professional installation services for proper setup
- Training: Comprehensive training for users and maintenance staff

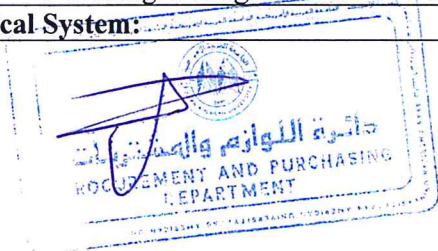
Documentation:

- Manuals: User and service manuals provided in English
- Maintenance Guidelines: Clear guidelines for ongoing maintenance

ومتطلبات. السعر يشمل التوريد والتركيب 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 table below.

UV/VIS Spectrophotometer	Yes/No	Comment
Manufacture	Manufacture	
Model	Model	
Origin: USA, EURO, Japan	Origin	
3 years warranty	Yes/No	
Delivery time	weeks	
Application and Usage:	Yes/No	
<ul style="list-style-type: none"> • Application: Suitable for use in scientific laboratory environments 	Yes/No	
<ul style="list-style-type: none"> • UV-Visible Spectroscopy: Capable of UV-Visible spectroscopic analysis 	Yes/No	
Wavelength Range:	Yes/No	
<ul style="list-style-type: none"> • Wavelength Range: 320 to 1100 nm 	Yes/No	
Optical System:	Yes/No	



<ul style="list-style-type: none"> Optical System: Single beam, grating monochromator 	Yes/No	
Detector:	Yes/No	
<ul style="list-style-type: none"> Detector Type: Silicon photodiode array 	Yes/No	
<ul style="list-style-type: none"> Detection Modes: Absorbance, %T, concentration, kinetics 	Yes/No	
Resolution and Accuracy:	Yes/No	
<ul style="list-style-type: none"> Wavelength Resolution: 1 nm 	Yes/No	
<ul style="list-style-type: none"> Wavelength Accuracy: ± 2 nm 	Yes/No	
Data Output:	Yes/No	
<ul style="list-style-type: none"> Data Output: Digital output for data analysis and processing 	Yes/No	
Sample Compartment:	Yes/No	
<ul style="list-style-type: none"> Sample Compartment: Accommodates standard 10 mm path length cuvettes 	Yes/No	
Display and Controls:	Yes/No	
<ul style="list-style-type: none"> Display: 4.3-inch color touchscreen display 	Yes/No	
<ul style="list-style-type: none"> Controls: Intuitive touchscreen controls for easy adjustment and operation 	Yes/No	
Data Storage and Connectivity:	Yes/No	
<ul style="list-style-type: none"> Data Storage: Internal storage for method and data storage 	Yes/No	
<ul style="list-style-type: none"> Connectivity: USB and Ethernet connectivity for data transfer 	No	
Software Compatibility:	Yes/No	
<ul style="list-style-type: none"> Software Compatibility: Compatible with DataWay PC software for data analysis 	Yes/No	
Safety Features:	Yes/No	
<ul style="list-style-type: none"> UV Protection: Equipped with UV safety measures for user protection 	Yes/No	
<ul style="list-style-type: none"> System Integrity: Self-test and diagnostics for system integrity 	Yes/No	
Power Requirements:	Yes/No	
<ul style="list-style-type: none"> Power Supply: Power Supply: 220V, 50 Hz 	Yes/No	
Certifications:	Yes/No	
<ul style="list-style-type: none"> Compliance: Conforms to relevant safety and environmental standards 	Yes/No	
<ul style="list-style-type: none"> Certification: CE (Conformité Européene) certification for European safety standards 	Yes/No	
Installation and Training:	Yes/No	
<ul style="list-style-type: none"> Installation: Professional installation services for proper setup 	Yes/No	
<ul style="list-style-type: none"> Training: Comprehensive training for users and maintenance staff 	Yes/No	
Documentation:	Yes/No	
<ul style="list-style-type: none"> Manuals: User and service manuals provided in English 	Yes/No	
<ul style="list-style-type: none"> Maintenance Guidelines: Clear guidelines for ongoing maintenance 	Yes/No	
Complete and Ready to use with all accessories.	Yes/No	
10 years availability for spare parts	Yes/No	
Date of manufacture of the machine not less than 2023	Yes/No	
The price includes installation and training on-site.	Yes/No	

