



دائرة اللوازم والمشتريات

عطاء رقم T46-2022.23

أجهزة مختبر الاحياء الدقيقة



2022-2023

عطاء أجهزة مختبر الأحياء الدقيقة

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الجزء الأول (1)

إعلان طرح عطاء رقم T46-2022.23

أجهزة مختبر الأحياء الدقيقة

تدعو الجامعة العربية الأمريكية الشركات المختصة الى المشاركة في العطاء المذكور أعلاه. يمكن الاستفسار أو الحصول على وثائق العطاء من دائرة اللوازم والمشتريات في الجامعة/ مبنى الدوائر الإدارية الطابق الثاني، هاتف- 04 2418888- تحويلة 1488 فاكس 04 2510972 بريد الكتروني pnp@aaup.edu مقابل مبلغ غير مسترد مقداره (50) تدفع في إحدى البنوك المعتمدة وذلك اعتباراً من يوم (السبت) الموافق 2023/8/19.

ملاحظات

1. تقديم عرضين فني ومالي، وسيتم دراسة العروض فنياً ومالياً لاختيار العرض المناسب.
2. آخر موعد لتسليم العطاءات هو في تمام الساعة الثانية من يوم الاحد 2023/9/3 ولنفس المكان.
3. يجب تقديم كفالة دخول عطاء 5% من قيمة العطاء على شكل كفالة بنكية أو شيك بنكي مصدق لصالح الجامعة العربية الأمريكية.
4. الأسعار بالدولار وتشمل جميع الضرائب بما فيها ضريبة القيمة المضافة وعلى المورد تقديم الفواتير الضريبية وشهادة خصم المصدر.
5. الجامعة غير ملزمة بأقل الأسعار وبدون إبداء الأسباب.
6. رسوم الاعلان على من يرسو عليه العطاء.
7. بإمكانكم الاطلاع على النظام الداخلي لدائرة اللوازم والمشتريات من خلال زيارة صفحة الجامعة العربية الأمريكية على الانترنت. www.aaup.edu
8. الأجهزة خاصة بمختبر الاحياء الدقيقة بالحرم الجامعي - الريحان.



الشروط والتعليمات التنظيمية للعبء

(2)

1. على جميع المشاركين في العبء الالتزام بهذه الشروط والتعليمات، وهي تعتبر جزءاً لا يتجزأ من أي أمر شراء أو عقد يبرم مع المشارك الفائز ما لم ينص صراحة على خلاف ذلك في أمر الشراء أو العقد.
2. في هذه الشروط والتعليمات يرمز إلى "الجامعة العربية الامريكية بالاختصار (AAUP)".
3. يجب أن تكون الشركة المتقدمة للعبء مسجلة رسمياً ومشتغلاً مرخصاً.
4. تقدم الأسعار (بالدولار) شاملاً لجميع الضرائب بما في ذلك ضريبة القيمة المضافة (VAT).
5. يلتزم المشارك الفائز بتقديم شهادات خصم المصدر والفواتير الضريبية اللازمة وأية مستندات قانونية أخرى تغطي عملية الشراء.
6. يجب أن تشمل الأسعار على جميع المصاريف المطلوبة من النقل والتركيب والتشغيل والفحص والصيانة والتدريب في المواقع المحددة في جدول المواصفات والكميات المرفق.
7. يجب أن تكون الأسعار المقدمة سارية المفعول لمدة لا تقل عن (90) يوماً من تاريخ تقديم العرض.
8. على المشارك الفائز تقديم كفالة حسن تنفيذ خلال أسبوع من تاريخ الاتفاقية بحيث تعادل (10%) من قيمة الاتفاقية على شكل كفالة بنكية صادرة عن إحدى البنوك العاملة في فلسطين أو شيك مصدق صادر لصالح "الجامعة العربية الامريكية".
9. إذا تخلف المناقص الفائز عن تقديم كفالة حسن التنفيذ عن الموعد المحدد في البند السابق فإنه يحق لـ (AAUP) إلغاء الإحالة.
10. إذا تخلف المناقص الفائز عن التوقيع على عقد التنفيذ و تسليم الكفالات والتأمينات المطلوبه منه خلال أسبوع من تاريخ قرار الاحالة، يعتبر مستكفا عن تنفيذ العبء ويصادر مبلغ الكفالة أو التأمين دخول العبء بالاضافة الى ذلك يتحمل فرق السعر و/أو اي أضرار أخرى قد تلحق بالجامعة نتيجة استنكافه ويحرم من لمشاركة في عطاءات الجامعة لمدة عام.
11. إذا تخلف المناقص الفائز عن تنفيذ العبء الذي احيل عليه او خالف شرطاً من شروط العقد يحق للجامعة مصادرة كفالة دخول العبء أو حسن التنفيذ أو جزء منها وتنفيذ العبء مباشرة من الجامعة أو اية جهة تراها مناسبة بالاسعار والشروط والطريقة المناسبة ويتحمل المناقص أي فروقات بالاسعار مضاف إليها 15% من اجمالي قيمة العبء.
12. يتحمل المناقص المتخلف دفع تعويض بدل اي عطل او ضرر قد يلحق بالجامعة نتيجة لذلك



13. تعاد كفالة حسن التنفيذ بعد استكمال التوريد وجميع شروط العقد أو أوامر الشراء وبموجب الوثائق الأصولية اللازمة للاستلام.
14. على المشاركين في العطاء ارفاق كتالوجات عن المنتج.
15. يلتزم من يرسو عليه العطاء بدفع غرامة تأخير بواقع (0.1%) عن كل يوم تأخير من قيمة الأعمال المنجزة عن الوقت المحدد في الاتفاقية، ويتم احتساب هذه الغرامات من الدفعات المستحقة له أو من كفالة حسن التنفيذ.
16. يحق لـ (AAUP) إلغاء العطاء دون إبداء الأسباب كما أن (AAUP) غير ملزمة بإحالة العطاء على أقل العروض سعراً دون إبداء الأسباب. ولها أن ترفض كل أو بعض العروض المقدمة لها دون أن يكون لأي من المشاركين الحق في الرجوع إليها بأي خسارة أو ضرر ناجم عن تقديم عرضه ولا يترتب على (AAUP) أي التزامات مادية أو غير مادية مقابل ذلك، كما يحق لـ (AAUP) تجزئة العطاء بما تراه مناسباً ودون ابداء أسباب.
17. يلتزم من يرسو عليه العطاء بتقديم كفالة بنكية (صيانة) بقيمة (5%) من قيمة الأعمال المنجزة صالحة لمدة عام من تاريخ تسليم الأعمال.
18. على المشارك في العطاء تقديم عرضه على أساس المواصفات الفنية المبينة في وثائق العطاء وبموجب الكميات المحددة في جدول الكميات المرفق.
19. لا يجوز للمشارك في العطاء أن يتنازل لأي طرف آخر عن كل أو جزء من أمر الشراء دون الحصول على إذن خطي من (AAUP) مع الاحتفاظ بكامل حقوق (AAUP) وفقاً لشروط أمر الشراء.
20. عند دراسة العروض يؤخذ بعين الاعتبار كفاءة المناقص من الناحيتين المالية والفنية وقدرته على الوفاء بالتزامات العطاء وخبرته في تقديم اللوازم المطلوبة والسمعة التجارية والتسهيلات التي يقدمها ويجوز استبعاد عرضه لنقص كل أو بعض هذه المتطلبات.
21. لا تقبل العروض أو التعديلات التي ترد بعد التاريخ والموعد المحدد كآخر موعد لتقديم العروض.
22. يجب تعبئة جداول المواصفات المرفقة و لن ينظر بأي عرض لا يلتزم بتعبئة الجداول.

ملاحظات

- ❖ يسمح بتقديم عرضين اثنين فقط كحد أقصى لكل بند.
- ❖ يجب تقديم عرضي الاسعار الفني والمالي بنسختين الأولى ورقية، والأخرى الكترونية (محواسبة).
- ❖ تقديم العرضين المالي والفني الورقيين بالظرف المختوم، مع ضرورة وضع ختم الشركة والتوقيع على كل الصفحات (للعرض المالي بالذات).
- ❖ قد تكون المواصفات مأخوذة من منتجات وعلامات تجارية معروفة ولكنها ليست إلزامية.



(3)

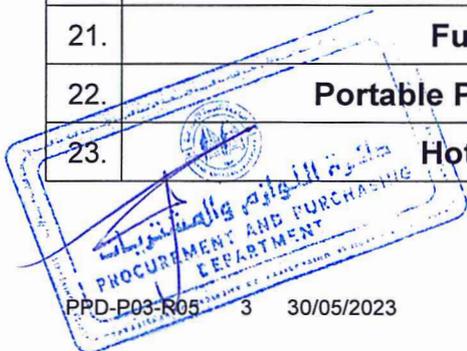
طريقة الدفع

خلال (90) يوماً من التوريد والقبول والاستلام النهائي، مقابل تقديم الكفالات المطلوبة.



الجزء الثاني1. جدول الكميات والمواصفات الفنية
أجهزة مختبر الأحياء الدقيقة

No.	Product	Qty	Unit Price	Total Price
1.	Incubator	1		
2.	Binocular Microscope + Digital	21		
3.	Benchtop centrifuge	1		
4.	Water bath	1		
5.	Steam sterilizer (Autoclave)	1		
6.	PH Meter	1		
7.	Water Distiller(Small Volume)	1		
8.	Tube Vortex Mixer	1		
9.	Micropipette(0.5-10µl)	5		
10.	Micropipette(5-50µl)	5		
11.	Micropipette(20-200µl)	5		
12.	Micropipette(100-1000µl)	5		
13.	Micropipette(1000-5000µl)	5		
14.	Hot Plate Magnetic Stirrer	1		
15.	Vibrator/Shaker	1		
16.	5-Digits Analytical Balance	1		
17.	ELISA Reader	1		
18.	Vertical Divided Freezer -20 to -25C°	1		
19.	UV/VIS Spectrophotometer	1		
20.	Biological Safety Cabinet	1		
21.	Fume Hood	1		
22.	Portable Pipette Controller	2		
23.	Hot Air Oven	1		



No.	Product	Qty	Unit Price	Total Price
24.	Anaerobic jar	1		
25.	Dispenser pipette Multipette	1		
26.	Digital Turbidimeter	1		
27.	Microtitre Plate Shaker Incubator	1		
28.	Fluorescence microscope	1		
Total				

في حالة وجود استفسار يرجى تزويدنا بها من خلال البريد الالكتروني للرد عليها pnnp@aaup.edu

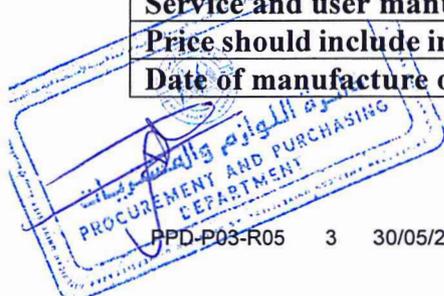


Item #1: Incubator**Brand name.****3 years warranty, 10 years availability of spare parts.****Origin: Brand name USA, EURO, Japan**

- For general lab applications.
- Volume 80 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 80 L	Yes/No	Comment
Manufacture	Manufac ture	
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 80 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 #2: Binocular Microscope + Digital**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.
- 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.

Digital:

- Digital camera with adaptor and Software, 5 MP with all accessories **for one microscope.**

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

Binocular Microscope	Yes/No	Comment
Manufacture	Manufacture	
Model	Model	
Origin: USA, EUPRE, japan.	Origin	
Delivery time	weeks	



Binocular Microscope	Yes/No	Comment
3 years Full warranty 10 years availability for spare parts	Yes/No	
Observation modes:	Yes/No	
• Bright-field.	Yes/No	
Optical system :	Yes/No	
• Infinity optical system.	Yes/No	
Head :	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	
Illumination :	Yes/No	
• White LED illumination (adjustable).	Yes/No	
• Koehler illumination.	Yes/No	
Objectives :	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	
Focusing :	Yes/No	
• Adjustable coaxial coarse and fine focusing knob with upper stop.	Yes/No	
Condenser :	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	
Stage :	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	
Power :	Yes/No	
• 220V, 50 HZ.	Yes/No	
• Digital camera with adaptor and Software, 5 MP with all accessories for one microscope.		
Include :	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	
The price includes installation and team training on-site.	Yes/No	
Date of manufacture of the machine not less than 2023		



Item #3: Benchtop centrifuge

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: Brand name USA, EURO, Japan

- Benchtop centrifuge.
- Brushless motor.
- Microprocessor control.
- Control and display :
 - Digital display.
 - actual values are indicated During centrifugation.
 - Speed display: RPM x 100, input in steps of 100
 - RCF key: indication during the run.
 - Time (t/min): 1 - 99 min, continuous operation.
- Rotor :
 - fixed angle
 - capacity: 8x15 conical tube).
 - MAX Speed: 6000 rpm
- Safety :
 - Emergency lid lock release.
 - Imbalance switch-off.
 - Automatic rotor recognition.
- Power: 220 V.

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

Centrifuge	Yes/No	Comment
Manufacture	Manufacture	
Model	Model	
Origin	Origin	
Delivery time	weeks	
3 years warranty 10 years availability for spare parts	Yes/No	
• Benchtop centrifuge.	Yes/No	
• Brushless motor.	Yes/No	
• Microprocessor control.	Yes/No	
• Control and display :	Yes/No	
- Digital display.	Yes/No	
- Actual values are indicated During centrifugation.	Yes/No	
- Speed display: RPM x 100, input in steps of 100	Yes/No	
- RCF key: indication during the run.	Yes/No	
- Time (t/min): 1 - 99 min, continuous operation.	Yes/No	
• Rotor :	Yes/No	
- Fixed angle	Yes/No	



Centrifuge	Yes/No	Comment
- Capacity: 8x15 (conical tube).	Yes/No	
- MAX Speed: 6000 rpm	Yes/No	
• Safety :	Yes/No	
- Emergency lid lock release.	Yes/No	
- Imbalance switch-off.	Yes/No	
- Automatic rotor recognition.	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	
Date of manufacture of the machine not less than 2023		



Item #4: Water bath**Brand name.****3 years warranty, 10 years availability of spare parts.****Origin: Brand name USA, EURO, Japan****Volume: 17 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 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	Manufactur e	
Model	Origin	
Origin: USA, Europe, japan	Model	
Delivery time	Time	
3 years Full warranty,10 years availability for spare part	Yes / No	
Volume: 17 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 fault indicator.	Yes / No	
Digital LED display for both set and actual temperature.	Yes / No	



WATER BATH	Yes/No	Comment
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 #5: Steam sterilizer (Autoclave)**Brand name.****3 years warranty, 10 years availability of spare parts.****Origin: Brand name USA, EURO, Japan****Autoclave Type: Tabletop****Chamber Volume: Approximately 90 liters****Sterilization Methods:**

- Steam sterilization (autoclaving)

Control System:

- Advanced microprocessor-based control system
- Programmable sterilization cycles
- User-friendly interface with a digital display

Sterilization Cycles:

- Predefined cycles for different types of loads (e.g., wrapped instruments, porous loads)
- Customizable cycle parameters (time, temperature, pressure)
- Efficient and rapid sterilization cycles

Chamber Construction:

- High-quality stainless steel construction
- Corrosion-resistant interior and exterior

Chamber Door:

- Secure locking mechanism to prevent unauthorized access during operation
- Automatic door locking during the sterilization cycle
- Safety interlock to prevent opening when pressure and temperature are present

Pressure and Temperature Control:

- Precise pressure and temperature control for effective sterilization
- Temperature range: [121-134]°C
- Pressure range: 15 psi to 30 psi (1.03 bar to 2.07 bar)

Safety Features:

- Overpressure protection with safety relief valve
- Dual safety thermostats to prevent overheating
- Audible and visual alarms for abnormal conditions

Water Supply:

- Built-in water reservoir or external water supply
- Automatic water filling and draining systems (preferred)
- Water level sensor for Insufficient water detector in chamber or reservoir

Drying Function:

- Post-sterilization drying cycle with adjustable time and temperature settings

Data Logging:

- Capability to record and store sterilization cycle data
- USB port for data retrieval and transfer

Power Supply:

- Voltage: [220-230] V
- Frequency: [50-60] Hz

Certifications:

- Compliance with relevant international standards (e.g., ISO, CE)
- Calibration certificate for temperature and pressure

Accessories Included:

- Stainless steel sterilization racks
- Trays for load placement



- Waste collection system
- Cleaning material for cleaning of internal chamber and reservoir tank (enough to 10 run cycles)
- With one back biological indicator (enough to 10 run cycles)

ومتطلبات السعر يشمل التوريد والتركييب 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 below table.*

Steam sterilizer (Autoclave)	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	
Autoclave Type: Tabletop	Yes/No	
Chamber Volume: Approximately 90 liters	Yes/No	
Sterilization Methods:	Yes/No	
• Steam sterilization (autoclaving)	Yes/No	
Control System:	Yes/No	
• Advanced microprocessor-based control system	Yes/No	
• Programmable sterilization cycles	Yes/No	
• User-friendly interface with a digital display	Yes/No	
Sterilization Cycles:	Yes/No	
• Predefined cycles for different types of loads (e.g., wrapped instruments, porous loads)	Yes/No	
• Customizable cycle parameters (time, temperature, pressure)	Yes/No	
• Efficient and rapid sterilization cycles	Yes/No	
Chamber Construction:	Yes/No	
• High-quality stainless steel construction	Yes/No	
• Corrosion-resistant interior and exterior	Yes/No	
Chamber Door:	Yes/No	
• Secure locking mechanism to prevent unauthorized access during operation	Yes/No	
• Automatic door locking during the sterilization cycle	Yes/No	
• Safety interlock to prevent opening when pressure and temperature are present	Yes/No	
Pressure and Temperature Control:	Yes/No	
• Precise pressure and temperature control for effective sterilization	Yes/No	
• Temperature range: [121-134]°C	Yes/No	
• Pressure range: 15 psi to 30 psi (1.03 bar to 2.07 bar)	Yes/No	
Safety Features:	Yes/No	



Steam sterilizer (Autoclave)	Yes/No	Comment
• Overpressure protection with a safety relief valve	Yes/No	
• Dual safety thermostats to prevent overheating	Yes/No	
• Audible and visual alarms for abnormal conditions	Yes/No	
Water Supply:	Yes/No	
• Built-in water reservoir or external water supply	Yes/No	
• Automatic water filling and draining systems(preferred)	Yes/No	
• Water level sensor for Insufficient water detector in chamber or reservoir	Yes/No	
Drying Function:	Yes/No	
• Post-sterilization drying cycle with adjustable time and temperature settings	Yes/No	
Data Logging:	Yes/No	
• Capability to record and store sterilization cycle data	Yes/No	
• USB port for data retrieval and transfer	Yes/No	
Power Supply:	Yes/No	
• Voltage: [220-230] V	Yes/No	
• Frequency: [50-60] Hz	Yes/No	
Certifications:	Yes/No	
• Compliance with relevant international standards (e.g., ISO, CE)	Yes/No	
• Calibration certificate for temperature and pressure	Yes/No	
Accessories Included:	Yes/No	
• Stainless steel sterilization racks	Yes/No	
• Trays for load placement	Yes/No	
• Waste collection system	Yes/No	
• Cleaning material for cleaning of internal chamber and reservoir tank (enough to 10 run cycles)	Yes/No	
• With one back biological indicator (enough to 10 run cycles)	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	
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	



Steam sterilizer (Autoclave)	Yes/No	Comment
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 PH Meter:**Brand name.****2 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

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.*

Benchtop PH Meter	Yes/No	Comment
Manufacture.	Manufacture	
Model.	Model	
Origin: USA, Europe, Japan.	Origin	
Delivery time.	Weeks	
2 years Full warranty.	Yes/No	
Brand name.	Yes/No	
Parameter and Features:	Yes/No	



Benchtop PH Meter	Yes/No	Comment
• 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	
Price includes installation with application training on site.	Yes/No	
Complete and Ready to use with all accessories.		



Benchtop PH Meter	Yes/No	Comment
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 #7 : 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.

- ومتطلبات السعر يشمل التوريد والتركييب ويجب أن يتم توضيح جميع متطلبات التركيب في عرض السعر من ملحقات 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 $\mu\text{S}/\text{cm}$ (at 25° C)	Yes/No	



Water Distiller(Small Volume)	Yes/No	Comment
• 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 #8: 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.

- 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 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 ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص	Yes/No	



Item #14: 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

- **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.**
- ❖

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

Hot Plate Magnetic Stirrer	Yes/No	Comment
<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	



Hot Plate Magnetic Stirrer	Yes/No	Comment
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 #15: 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	
3 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 #16 5-Digits 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 display**
- **Unit Options: Supports multiple units, including milligrams, gram, 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.**

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.*

5-Digits Analytical Balance:	Yes/No	Comment
Manufacture.	Manufactur e	
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 display	Yes/No	



5-Digits Analytical Balance:	Yes/No	Comment
<ul style="list-style-type: none"> Unit Options: Supports multiple units, including milligrams, gram, etc. 	Yes/No	
Pan and Construction:	Yes/No	
<ul style="list-style-type: none"> Stainless Steel Pan: Resistant to chemicals for durable and reliable performance 	Yes/No	
Calibration:	Yes/No	
<ul style="list-style-type: none"> Calibration: Offers both internal and external calibration options 	Yes/No	
<ul style="list-style-type: none"> Calibration Certificate: Provided with a calibration certificate 	Yes/No	
Power Options:	Yes/No	
<ul style="list-style-type: none"> Power Source: Can be powered by an AC adaptor (supplied) or an internal rechargeable battery 	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 #17: 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

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

- ومتطلبات. السعر يشمل التوريد والتكيب 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.*



Eliza reader	Yes/No	Comment
Manufacture	Manufacture	
Model	Model	
Origin: USA, EURO, Japan	Origin	
3 years warranty	Yes/No	
Delivery time	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: ≤1.0% or 0.010 from 0.000–3.000 OD at 490 nm	Yes/No	
Linearity: ≤1.0% from 0.0–2.0 OD; ≤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	
Accessories and Readiness:	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	
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.		
User's and service manual.		



Item #18: Vertical Divided Freezer -20 to -25C°**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 medical laboratory environments**

Temperature Range:

- **Temperature Range: -20°C to -30°C**

Capacity:

- **Capacity: ~500 liters**

Design and Construction:

- **Interior Layout: Equipped with vertically divided compartments for organized storage**
- **Material: Constructed with high-quality and durable materials**

Compartments:

- **Adjustable Shelves**

Temperature Control and Display:

- **Temperature Control: Precise and adjustable temperature control**
- **Display: Clear display showing temperature information**

Energy Efficiency:

- **Energy Efficiency: Designed for optimal energy consumption**

Safety Features:

- **Locking Mechanism: Secure locking mechanism for controlled access**
- **Alarms: Audible and visual alarms for temperature deviations**

Power Requirements:

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

Certifications:

- **Compliance: Conforms to relevant safety and environmental standards**
- **Certification: If available**

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 والتكيب 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.**

Vertical Divided Freezer -20 to -25C°	Yes/No	Comment
Manufacture	Manufactur e	
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 medical laboratory environments 		



Vertical Divided Freezer -20 to -25C°	Yes/No	Comment
Temperature Range:	Yes/No	
• Temperature Range: -20°C to -30°C	Yes/No	
Capacity:	Yes/No	
• Capacity: ~500 liters	Yes/No	
Design and Construction:	Yes/No	
• Interior Layout: Equipped with vertically divided compartments for organized storage	Yes/No	
• Material: Constructed with high-quality and durable materials	Yes/No	
Compartments:	Yes/No	
• Adjustable Shelves	Yes/No	
Temperature Control and Display:	Yes/No	
• Temperature Control: Precise and adjustable temperature control	Yes/No	
• Display: Clear display showing temperature information	Yes/No	
Energy Efficiency:	Yes/No	
• Energy Efficiency: Designed for optimal energy consumption	Yes/No	
Safety Features:	Yes/No	
• Locking Mechanism: Secure locking mechanism for controlled access	Yes/No	
• Alarms: Audible and visual alarms for temperature deviations	Yes/No	
Power Requirements:	Yes/No	
• Power Supply: 220V, 50 Hz	Yes/No	
Certifications:	Yes/No	
• Compliance: Conforms to relevant safety and environmental standards	Yes/No	
• Certification: If available	Yes/No	
Installation and Training:	Yes/No	
• Installation: Professional installation services for proper setup	Yes/No	
• Training: Comprehensive training for users and maintenance staff	Yes/No	
Documentation:	Yes/No	
• Manuals: User and service manuals provided in English	Yes/No	
• Maintenance Guidelines: Clear guidelines for ongoing maintenance	Yes/No	
Installation and Training:	Yes/No	
• Installation: Professional installation services for proper setup	Yes/No	
• Training: Comprehensive training for users and maintenance staff	Yes/No	
Documentation:	Yes/No	



Vertical Divided Freezer -20 to -25C°	Yes/No	Comment
• Manuals: User and service manuals provided in English	Yes/No	
• 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	
User's and service manual.	Yes/No	



Item #19: 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 Européene) certification for European safety standards

Installation and Training:

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

Documentation:

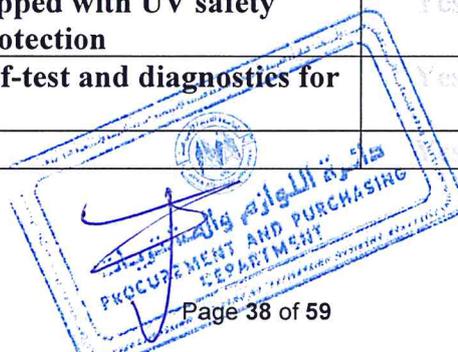
- **Manuals:** User and service manuals provided in English
- **Maintenance Guidelines:** Clear guidelines for ongoing maintenance

- 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	Manufacturer	
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 	Yes/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	



UV/VIS Spectrophotometer	Yes/No	Comment
• Power Supply: Power Supply: 220V, 50 Hz	Yes/No	
Certifications:	Yes/No	
• Compliance: Conforms to relevant safety and environmental standards	Yes/No	
• Certification: CE (Conformité Européene) certification for European safety standards	Yes/No	
Installation and Training:	Yes/No	
• Installation: Professional installation services for proper setup	Yes/No	
• Training: Comprehensive training for users and maintenance staff	Yes/No	
Documentation:	Yes/No	
• Manuals: User and service manuals provided in English	Yes/No	
• 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	



Item #20: Biological Safety Cabinet**Brand name.****3 years warranty, 10 years availability of spare parts.****Origin: Brand name****Type and Size:**

- **Type: Benchtop**
- **Size: 4 feet**

Lighting:

- **Lighting: UV and Fluorescence**

Biological Safety Level:

- **Safety Level: LEVEL 2**

Air Purification:

- **HEPA Filter: 99.999% efficiency for removal of particles down to 0.3 microns**

Control and Monitoring:

- **Control: Microprocessor control**
- **Filter Replacement: Warning signal for filter replacement**

Sash and UV Features:

- **Sash Opening: 8-inch sash opening with automatic UV shut-off on sash opening**
- **Electric Sash Opening: Electric opening for sash**

Noise Level:

- **Noise Level: <40 dBA**

Utility Devices:

- **Utility Devices: Gas cocks for utility connections**

Working Area:

- **Working Area: High-quality stainless steel for the interior**

Blower:

- **Blower: High-efficient centrifugal blower with lifetime lubricated bearings**

Electric Supply:

- **Electric Supply: 220V, Socket Type H**

Certifications:

- **FDA Approval: FDA approved**
- **CE Approval: CE certified**
- **NSF Listing: Listed by NSF International**

Optional Accessories:

- **HEPA Filter: Available with catalog number**
- **UV Lamp: Available as an optional accessory**

Stand:

- **Stand: Manual adjustable height stand**

- **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.*

Biological Safety Cabinet	Yes/No	Comment
Manufacture	Manufactur e	
Model	Model	
Origin:	Origin	
3 years warranty	Yes/No	
Delivery time	weeks	
Type and Size:	Yes/No	
• Type: Benchtop	Yes/No	
• Size: 4 feet	Yes/No	
Lighting:	Yes/No	
• Lighting: UV and Fluorescence	Yes/No	
Biological Safety Level:	Yes/No	
• Safety Level: LEVEL 2	Yes/No	
Air Purification:	Yes/No	
• HEPA Filter: 99.999% efficiency for removal of particles down to 0.3 microns	Yes/No	
Control and Monitoring:	Yes/No	
• Control: Microprocessor control	Yes/No	
• Filter Replacement: Warning signal for filter replacement	Yes/No	
Sash and UV Features:	Yes/No	
• Sash Opening: 8-inch sash opening with automatic UV shut-off on sash opening	Yes/No	
• Electric Sash Opening: Electric opening for sash	Yes/No	
Noise Level:	Yes/No	
• Noise Level: <40 dBA	Yes/No	
Utility Devices:	Yes/No	
• Utility Devices: Gas cocks for utility connections	Yes/No	
Working Area:	Yes/No	
• Working Area: High-quality stainless steel for the interior	Yes/No	
Blower:	Yes/No	
• Blower: High-efficient centrifugal blower with lifetime lubricated bearings	Yes/No	
Electric Supply:	Yes/No	
• Electric Supply: 220V, Socket Type H	Yes/No	
Certifications:	Yes/No	
• FDA Approval: FDA approved	Yes/No	
• CE Approval: CE certified	Yes/No	
• NSF Listing: Listed by NSF International	Yes/No	
Optional Accessories:	Yes/No	
• HEPA Filter: Available with catalog number	Yes/No	



Biological Safety Cabinet	Yes/No	Comment
• UV Lamp: Available as an optional accessory	Yes/No	
Stand:	Yes/No	
• Stand: Manual adjustable height stand	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	



Item #21: Fume Hood

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: Brand name USA, EURO, Japan

Application and Usage:

- **Application:** Designed to protect the operator from toxic vapors and create a safe environment
- **Purpose:** Suitable for general-purpose chemistry laboratory applications

Working Dimensions:

- **Working Dimensions:** 130 cm width x 70 cm depth x 75 cm height

Control and Monitoring:

- **Control:** Microprocessor control with clear and user-friendly interface

Construction and Material:

- **Construction:** Made of high-quality melamine board
- **Material Properties:** Resistant to acids, alkalis, chemicals, heat, and fire
- **Cleanability:** Easily cleanable surface

Sash:

- **Sash Type:** Vertical rising sash
- **Material:** Tempered glass sash for enhanced visibility and safety

Sink, Tap Water, Drainage:

- **Requirements:** Includes at least one porcelain sink with inlet and outlet arrangements

Utilities:

- **Utilities Included:** Gas line, water line, and electric socket (waterproof)

Lighting:

- **Lighting:** Fluorescent lamp with vapor-proof design for proper illumination

Blower:

- **Blower Type:** Built-in centrifugal blower
- **Suction:** Provides efficient air suction within the hood
- **Adjustable Air Speed:** Offers adjustable airspeed for control
- **Noise Level:** Low noise level of 55 dB

Casters and Stand:

- **Casters:** Equipped with casters for easy mobility
- **Locking:** Casters have locking mechanism
- **Stand:** Comes with a stand for stability

Ducting:

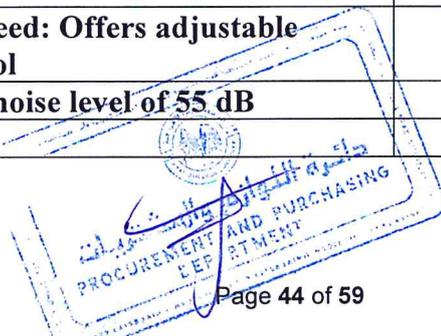
- **Ductwork:** Equipped with chemical-resistant rigid and flexible ductwork for exhaust
- **Installation:** Installation includes connecting the device to the specified site's infrastructure

- 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 table below.*

Fume Hood	Yes/No	Comment
Manufacture	Manufactur e	
Model	Model	
Origin:	Origin	
3 years warranty	Yes/No	
Delivery time	weeks	
Application and Usage:	Yes/No	
<ul style="list-style-type: none"> Application: Designed to protect the operator from toxic vapors and create a safe environment 	Yes/No	
<ul style="list-style-type: none"> Purpose: Suitable for general-purpose chemistry laboratory applications 	Yes/No	
Working Dimensions:	Yes/No	
<ul style="list-style-type: none"> Working Dimensions: 130 cm width x 70 cm depth x 75 cm height 	Yes/No	
Control and Monitoring:	Yes/No	
<ul style="list-style-type: none"> Control: Microprocessor control with clear and user-friendly interface 	Yes/No	
Construction and Material:	Yes/No	
<ul style="list-style-type: none"> Construction: Made of high-quality melamine board 	Yes/No	
<ul style="list-style-type: none"> Material Properties: Resistant to acids, alkalis, chemicals, heat, and fire 	Yes/No	
<ul style="list-style-type: none"> Cleanability: Easily cleanable surface 	Yes/No	
Sash:	Yes/No	
<ul style="list-style-type: none"> Sash Type: Vertical rising sash 	Yes/No	
<ul style="list-style-type: none"> Material: Tempered glass sash for enhanced visibility and safety 	Yes/No	
Sink, Tap Water, Drainage:	Yes/No	
<ul style="list-style-type: none"> Requirements: Includes at least one porcelain sink with inlet and outlet arrangements 	Yes/No	
Utilities:	Yes/No	
<ul style="list-style-type: none"> Utilities Included: Gas line, water line, and electric socket (waterproof) 	Yes/No	
Lighting:	Yes/No	
<ul style="list-style-type: none"> Lighting: Fluorescent lamp with vapor-proof design for proper illumination 	Yes/No	
Blower:	Yes/No	
<ul style="list-style-type: none"> Blower Type: Built-in centrifugal blower 	Yes/No	
<ul style="list-style-type: none"> Suction: Provides efficient air suction within the hood 	Yes/No	
<ul style="list-style-type: none"> Adjustable Air Speed: Offers adjustable airspeed for control 	Yes/No	
<ul style="list-style-type: none"> Noise Level: Low noise level of 55 dB 	Yes/No	
Casters and Stand:	Yes/No	



Fume Hood	Yes/No	Comment
• Casters: Equipped with casters for easy mobility	Yes/No	
• Locking: Casters have locking mechanism	Yes/No	
• Stand: Comes with a stand for stability	Yes/No	
Ducting:	Yes/No	
• Ductwork: Equipped with chemical-resistant rigid and flexible ductwork for exhaust	Yes/No	
• Installation: Installation includes connecting the device to the specified site's infrastructure	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	



Item #22: Portable Pipette Controller

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**
- **Pipetting Aid: Facilitates accurate and controlled pipetting**

Compatibility:

- **Pipette Compatibility: Compatible with a wide range of pipette sizes**

Pipetting Modes:

- **Pipetting Modes: Provides both pipetting and dispensing modes**

Dispensing Speed:

- **Dispensing Speed: Adjustable dispensing speed for precise control**

Battery Life:

- **Battery Life: Long-lasting battery for extended use**

Volume Range:

- **Volume Range: 1 µL to 100 mL**

Autoclavable Components:

- **Autoclavable Components: Autoclavable parts for easy sterilization**

Ergonomics:

- **Ergonomic Design: Designed for comfortable and efficient handling**

LCD Display:

- **LCD Display: Clear LCD display for easy volume and mode selection**

Safety Features:

- **Safety Features: Built-in safeguards to prevent over-pipetting**

Power Requirements:

- **Power Supply: Rechargeable battery or suitable power source**

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:

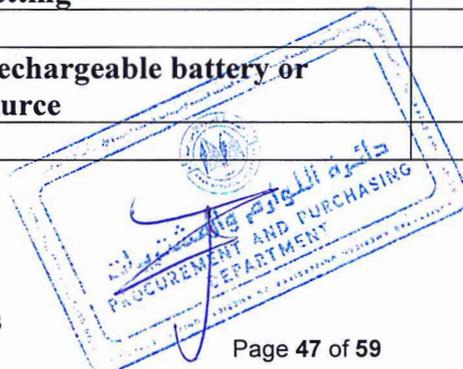
- **Manuals: User manual provided in English**
- **Maintenance Guidelines: Clear guidelines for ongoing maintenance**

- **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.*

Portable Pipette Controller	Yes/No	Comment
Manufacture	Manufactur c	
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"> • Pipetting Aid: Facilitates accurate and controlled pipetting 	Yes/No	
Compatibility:	Yes/No	
<ul style="list-style-type: none"> • Pipette Compatibility: Compatible with a wide range of pipette sizes 	Yes/No	
Pipetting Modes:	Yes/No	
<ul style="list-style-type: none"> • Pipetting Modes: Provides both pipetting and dispensing modes 	Yes/No	
Dispensing Speed:	Yes/No	
<ul style="list-style-type: none"> • Dispensing Speed: Adjustable dispensing speed for precise control 	Yes/No	
Battery Life:	Yes/No	
<ul style="list-style-type: none"> • Battery Life: Long-lasting battery for extended use 	Yes/No	
Volume Range:	Yes/No	
<ul style="list-style-type: none"> • Volume Range: 1 µL to 100 mL 	Yes/No	
Autoclavable Components:	Yes/No	
<ul style="list-style-type: none"> • Autoclavable Components: Autoclavable parts for easy sterilization 	Yes/No	
Ergonomics:	Yes/No	
<ul style="list-style-type: none"> • Ergonomic Design: Designed for comfortable and efficient handling 	Yes/No	
LCD Display:	Yes/No	
<ul style="list-style-type: none"> • LCD Display: Clear LCD display for easy volume and mode selection 	Yes/No	
Safety Features:	Yes/No	
<ul style="list-style-type: none"> • Safety Features: Built-in safeguards to prevent over-pipetting 	Yes/No	
Power Requirements:	Yes/No	
<ul style="list-style-type: none"> • Power Supply: Rechargeable battery or suitable power source 	Yes/No	
Certifications:	Yes/No	



Portable Pipette Controller	Yes/No	Comment
• 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	
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	



Item #23 Hot Air Oven:

Brand name.

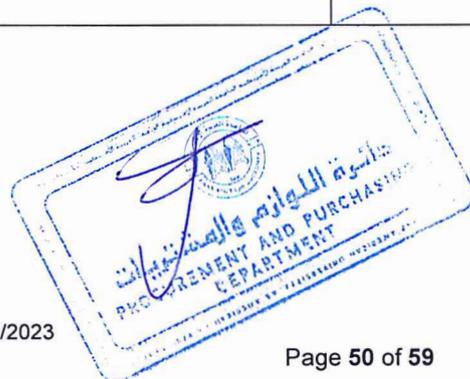
4 years warranty, 10 years availability of spare parts.

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
- 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 the table below.**

Hot Air Oven	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	

Hot Air Oven	Yes/No	Comment
• 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	
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 #25 : Dispenser pipette Multipette

Volume range: 1 μ L – 10 ml

Number of channels:1

Dispensing volumes: Capable of dispensing 112 different volumes

Combitips: 9 Combitips advanced sizes, 3 purity grades.

Dispenser: With automatic Combitip recognition



Item #26: Digital Turbidimeter

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: Brand name USA, EURO, Japan

Application and Usage:

- **Application:** Designed for accurate measurement of turbidity in scientific laboratory environments

Measurement Range:

- **Measurement Range:** 0 - 1000 NTU (Nephelometric Turbidity Units)

Accuracy:

- **Accuracy:** High accuracy in turbidity measurement

Display:

- **Display:** Clear digital display for easy reading of turbidity values

Measurement Method:

- **Measurement Method:** Utilizes a specific measurement method for accurate results

Calibration:

- **Calibration:** Can be calibrated for ensuring accurate readings

Sample Compatibility:

- **Compatibility:** Suitable for various sample types and sizes

Data Logging:

- **Data Logging:** Capability to store and log measurement data for analysis

Calibration and Repeatability:

- **Repeatability:** Ensures consistent and repeatable measurement results

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:

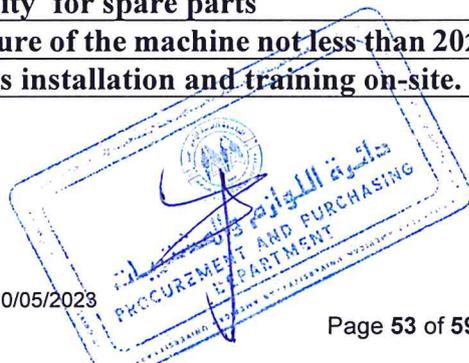
- **Manuals:** User manual provided in English
- **Maintenance Guidelines:** Clear guidelines for ongoing maintenance

- 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 table below.*

Digital Turbidimeter	Yes/No	Comment
Manufacture	Manufactur e	
Model	Model	
Origin:	Origin	
3 years warranty	Yes/No	

Digital Turbidimeter	Yes/No	Comment
Delivery time	weeks	
Application and Usage:	Yes/No	
<ul style="list-style-type: none"> Application: Designed for accurate measurement of turbidity in scientific laboratory environments 	Yes/No	
Measurement Range:	Yes/No	
<ul style="list-style-type: none"> Measurement Range: 0 - 1000 NTU (Nephelometric Turbidity Units) 	Yes/No	
Accuracy:	Yes/No	
<ul style="list-style-type: none"> Accuracy: High accuracy in turbidity measurement 	Yes/No	
Display:	Yes/No	
<ul style="list-style-type: none"> Display: Clear digital display for easy reading of turbidity values 	Yes/No	
Measurement Method:	Yes/No	
<ul style="list-style-type: none"> Measurement Method: Utilizes a specific measurement method for accurate results 	Yes/No	
Calibration:	Yes/No	
<ul style="list-style-type: none"> Calibration: Can be calibrated for ensuring accurate readings 	Yes/No	
Sample Compatibility:	Yes/No	
<ul style="list-style-type: none"> Compatibility: Suitable for various sample types and sizes 	Yes/No	
Data Logging:	Yes/No	
<ul style="list-style-type: none"> Data Logging: Capability to store and log measurement data for analysis 	Yes/No	
Calibration and Repeatability:	Yes/No	
<ul style="list-style-type: none"> Repeatability: Ensures consistent and repeatable measurement results 	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: Ready to use without complex installation 	Yes/No	
<ul style="list-style-type: none"> Training: Basic training for users on proper usage 	Yes/No	
Documentation:	Yes/No	
<ul style="list-style-type: none"> Manuals: User manual 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	



Item #27: Microtitre Plate Shaker Incubator

Brand name.

3 years warranty, 10 years availability of spare parts.

Origin: Brand name USA, EURO, Japan

Application and Usage:

- **Application:** Designed for simultaneous shaking and incubation of microplates in scientific laboratory environments

Capacity:

- **Capacity:** 2 or 4 microplates (96-well format)

Shaking and Mixing:

- **Shaking Modes:** Offers orbital shaking motion for effective mixing
- **Shaking Speed:** Adjustable shaking speed (50 - 300 RPM)
- **Shaking Amplitude:** 2.0 mm

Temperature Range:

- **Temperature Range:** 10°C - 70°C Celsius

Temperature Control:

- **Temperature Control:** Microprocessor-based temperature control for accuracy

Uniformity and Stability:

- **Temperature Uniformity:** Ensures uniform temperature distribution across microplates
- **Temperature Stability:** Maintains stable temperature conditions

Display and Controls:

- **Display:** Clear digital display for easy monitoring
- **Control:** User-friendly control interface for setting parameters

Programmable Functions:

- **Programmable Functions:** Allows users to set customized shaking and incubation profiles

Plate Compatibility:

- **Compatibility:** Suitable for various microplate formats

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:

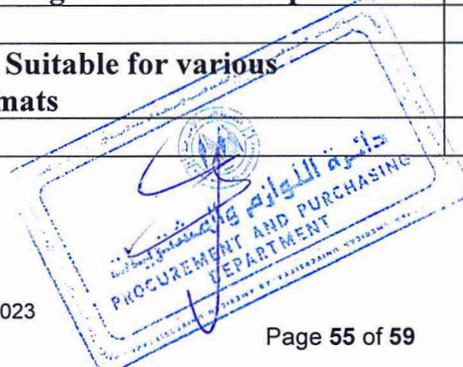
- **Manuals:** User manual provided in English
- **Maintenance Guidelines:** Clear guidelines for ongoing maintenance

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

Microtitre Plate Shaker Incubator	Yes/No	Comment
Manufacture	Manufactur e	
Model	Model	
Origin:	Origin	
3 years warranty	Yes/No	
Delivery time	weeks	
Application and Usage:	Yes/No	
<ul style="list-style-type: none"> Application: Designed for simultaneous shaking and incubation of microplates in scientific laboratory environments 	Yes/No	
Capacity:	Yes/No	
<ul style="list-style-type: none"> Capacity: 2 or 4 microplates (96-well format) 	Yes/No	
Shaking and Mixing:	Yes/No	
<ul style="list-style-type: none"> Shaking Modes: Offers orbital shaking motion for effective mixing 	Yes/No	
<ul style="list-style-type: none"> Shaking Speed: Adjustable shaking speed (50 - 300 RPM) 	Yes/No	
<ul style="list-style-type: none"> Shaking Amplitude: 2.0 mm 	Yes/No	
Temperature Range:	Yes/No	
<ul style="list-style-type: none"> Temperature Range: 10°C - 70°C Celsius 	Yes/No	
Temperature Control:	Yes/No	
<ul style="list-style-type: none"> Temperature Control: Microprocessor-based temperature control for accuracy 	Yes/No	
Uniformity and Stability:	Yes/No	
<ul style="list-style-type: none"> Temperature Uniformity: Ensures uniform temperature distribution across microplates 	Yes/No	
<ul style="list-style-type: none"> Temperature Stability: Maintains stable temperature conditions 	Yes/No	
Display and Controls:	Yes/No	
<ul style="list-style-type: none"> Display: Clear digital display for easy monitoring 	Yes/No	
<ul style="list-style-type: none"> Control: User-friendly control interface for setting parameters 	Yes/No	
Programmable Functions:	Yes/No	
<ul style="list-style-type: none"> Programmable Functions: Allows users to set customized shaking and incubation profiles 	Yes/No	
Plate Compatibility:	Yes/No	
<ul style="list-style-type: none"> Compatibility: Suitable for various microplate formats 	Yes/No	
Certifications:	Yes/No	



Microtitre Plate Shaker Incubator	Yes/No	Comment
• 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	
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	



Item #28: Fluorescence 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: [40X – 1000X]
- Objective Lenses: Infinity Plan Achromat Phase Contrast 10x, 20x, 40x, 100x Oil
- Condenser: NA 1.25 oil, Phase Turret Condenser -Brightfield & Phase Settings.
- Fluorescence Filter Sets: GFP, FITC

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 Cube : Exciter: AT480/30x, Dichroic: AT505DC, Emitter: AT535/40m.
- Imaging Software: User-friendly software for fluorescence image capture and analysis

Camera and Imaging:

- High-resolution digital camera [HDMI/USB,] 10MP.
- 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:

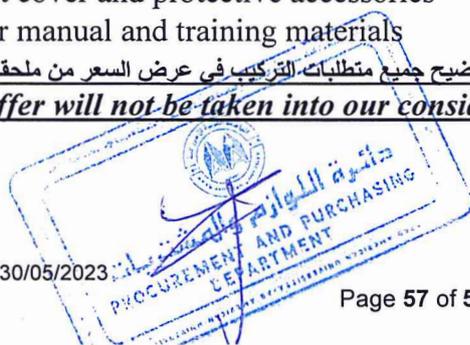
- Compliance with relevant international standards (e.g., CE, ISO)

Accessories Included:

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

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



Fluorescence microscope	Yes/No	Comment
Manufacture	Manufactur e	
Model	Model	
Origin: USA, EURO, Japan	Origin	
3 years warranty	Yes/No	
Delivery time	works	
Microscope Overview:		
<ul style="list-style-type: none"> • Microscope Type: Immunofluorescence 	Yes/No	
<ul style="list-style-type: none"> • Intended Use: Teaching purposes in diagnostics laboratories 	Yes/No	
<ul style="list-style-type: none"> • Imaging Techniques: Brightfield, Fluorescence 	Yes/No	
Optical System:		
<ul style="list-style-type: none"> • Magnification: [40X – 1000X] 	Yes/No	
<ul style="list-style-type: none"> • Objective Lenses: Infinity Plan Achromat Phase Contrast 10x, 20x, 40x, 100x Oil 	Yes/No	
<ul style="list-style-type: none"> • Condenser: NA 1.25 oil, Phase Turret Condenser - Brightfield & Phase Settings. 	Yes/No	
<ul style="list-style-type: none"> • Fluorescence Filter Sets: GFP, FITC 		
Illumination System:		
<ul style="list-style-type: none"> • Transmitted Light Source: Halogen lamp for brightfield illumination 	Yes/No	
<ul style="list-style-type: none"> • Fluorescence Light Source: High-intensity mercury or LED for fluorescence excitation 	Yes/No	
<ul style="list-style-type: none"> • Köhler illumination for consistent and uniform lighting 	Yes/No	
Fluorescence Imaging:		
<ul style="list-style-type: none"> • Filter Cube : Exciter: AT480/30x, Dichroic: AT505DC, Emitter: AT535/40m. 	Yes/No	
<ul style="list-style-type: none"> • Imaging Software: User-friendly software for fluorescence image capture and analysis 	Yes/No	
Camera and Imaging:		
<ul style="list-style-type: none"> • High-resolution digital camera [HDMI/USP,] 10MP. 	Yes/No	
<ul style="list-style-type: none"> • Imaging Software: Compatible with industry-standard imaging software for advanced analysis 	Yes/No	
Stage and Specimen Handling:		
<ul style="list-style-type: none"> • The mechanical stage for precise sample positioning 	Yes/No	
<ul style="list-style-type: none"> • Sample Holders: Compatible with various slide and dish formats 	Yes/No	
<ul style="list-style-type: none"> • Motorized Z-focus for convenient focusing 	Yes/No	
Ergonomics and User Interface:		
<ul style="list-style-type: none"> • Ergonomic design for user comfort during prolonged use 	Yes/No	
<ul style="list-style-type: none"> • User-friendly control panel with intuitive buttons and knobs 	Yes/No	
<ul style="list-style-type: none"> • Touchscreen interface for easy adjustment of settings 	Yes/No	
Data Management:		
<ul style="list-style-type: none"> • USB and Wi-Fi connectivity for data transfer and remote control 	Yes/No	



<ul style="list-style-type: none"> Storage and Export: Ability to save images in various formats (TIFF, JPEG, etc.) 	Yes/No	
Fluorescence Safety:		
<ul style="list-style-type: none"> UV-blocking shields and filters for operator safety during fluorescence work 	Yes/No	
<ul style="list-style-type: none"> Safety interlocks to prevent sample exposure when the microscope is not in use 	Yes/No	
Certifications:		
<ul style="list-style-type: none"> Compliance with relevant international standards (e.g., CE, ISO) 	Yes/No	
Accessories Included:		
<ul style="list-style-type: none"> Dust cover and protective accessories 	Yes/No	
<ul style="list-style-type: none"> User manual and training materials 	Yes/No	
<ul style="list-style-type: none"> Fluorescence filter sets 	Yes/No	
Complete and Ready to use with all accessories.	Yes/No	
10 years availability for spare parts	Yes/No	
23Date of manufacture of the machine not less than 20	Yes/No	
The price includes installation and training on-site.	Yes/No	
User's and service manual	Yes/No	

