**Item #1: ELISA Reader**

**Brand name.**

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

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

**Application:**

* Designed for wide applicability in life science research and diagnostics

**Compatibility:**

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

**Automation:**

* Fully automatic ELISA microplate reader

**Reading Methods:**

* Read Methods: Endpoint and kinetic assays

**Filter and Wavelength Range:**

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

**Light Source:**

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

**Photometric Range:**

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

**Accuracy:**

* Accuracy: ≤1.0% or 0.010 from 0.000–3.000 OD at 490 nm

**Linearity:**

* Linearity: ≤1.0% from 0.0–2.0 OD; ≤2.0% from 0.0–3.0 OD

**Resolution:**

* Resolution: 0.001 OD

**Display:**

* Equipped with a wide and clear display for easy reading

**Additional Features:**

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

**7. Calibration and Quality Control:**

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

**Speed and Storage:**

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

**Accessories and Readiness:**

* Comes complete and ready to use with all necessary accessories

**Warranty:**

* Warranty period: Minimum of 2 years

**Optional Add-Ons:**

* Optional pricing available for replacement lamp
* Brand name PC for enhanced performance
* ***Kindly your offer will not be taken into our consideration if you don’t fill in the table below***.

|  |  |  |
| --- | --- | --- |
| **Eliza reader** | **Yes/No** | **Comment** |
| **Manufacture**  | **Manufacture** |  |
| **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 #2: Immunofluorescence microscope**

**Brand name.**

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

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

**Microscope Overview:**

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

**Optical System:**

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

**Illumination System:**

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

**Fluorescence Imaging:**

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

**Camera and Imaging:**

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

**Stage and Specimen Handling:**

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

**Ergonomics and User Interface:**

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

**Data Management:**

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

**Fluorescence Safety:**

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

**Certifications:**

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

**Accessories Included:**

* Fluorescence filter sets
* Dust cover and protective accessories
* User manual and training materials
* ***Kindly your offer will not be taken into our consideration if you don’t fill in the table below***.

|  |  |  |
| --- | --- | --- |
| **Immunofluorescence microscope** | **Yes/No** | **Comment** |
| **Manufacture**  | **Manufacture** |  |
| **Model**  | **Model** |  |
| **Origin: USA, EURO, Japan** | **Origin** |  |
| **3 years warranty** | **Yes/No** |  |
| **Delivery time**  | **weeks** |  |
| **Microscope Overview:** |  |  |
| * Microscope Type: Immunofluorescence
 | **Yes/No** |  |
| * Intended Use: Teaching purposes in diagnostics laboratories
 | **Yes/No** |  |
| * Imaging Techniques: Brightfield, Fluorescence
 | **Yes/No** |  |
| **Optical System:** |  |  |
| * Magnification: [10X – 1000X]
 | **Yes/No** |  |
| * Objective Lenses: Hi Plan 4x, 10x, 40x, 100x Oil Objectives, 1025 N.A
 | **Yes/No** |  |
| * Fluorescence Filter Sets: GFP, FITC, Exciter: AT480/30x, Dichroic: AT505DC, Emitter: AT535/40m
 | **Yes/No** |  |
| * Blank Filter Cube
 |  |  |
| **Illumination System:** |  |  |
| * Transmitted Light Source: Halogen lamp for brightfield illumination
 | **Yes/No** |  |
| * Fluorescence Light Source: High-intensity mercury or LED for fluorescence excitation
 | **Yes/No** |  |
| * Köhler illumination for consistent and uniform lighting
 | **Yes/No** |  |
| **Fluorescence Imaging:** |  |  |
| * Filter Cubes: [slides with 3 positions for filter cubes] for multiple fluorophores
 | **Yes/No** |  |
| * Imaging Software: User-friendly software for fluorescence image capture and analysis
 | **Yes/No** |  |
| **Camera and Imaging:** |  |  |
| * High-resolution digital camera [1920X1080 - Captured 5 M.P.]
 | **Yes/No** |  |
| * Imaging Software: Compatible with industry-standard imaging software for advanced analysis
 | **Yes/No** |  |
| **Stage and Specimen Handling:** |  |  |
| * The mechanical stage for precise sample positioning
 | **Yes/No** |  |
| * Sample Holders: Compatible with various slide and dish formats
 | **Yes/No** |  |
| * Motorized Z-focus for convenient focusing
 | **Yes/No** |  |
| **Ergonomics and User Interface:** |  |  |
| * Ergonomic design for user comfort during prolonged use
 | **Yes/No** |  |
| * User-friendly control panel with intuitive buttons and knobs
 | **Yes/No** |  |
| * Touchscreen interface for easy adjustment of settings
 | **Yes/No** |  |
| **Data Management:** |  |  |
| * USB and Wi-Fi connectivity for data transfer and remote control
 | **Yes/No** |  |
| * Storage and Export: Ability to save images in various formats (TIFF, JPEG, etc.)
 | **Yes/No** |  |
| **Fluorescence Safety:** |  |  |
| * UV-blocking shields and filters for operator safety during fluorescence work
 | **Yes/No** |  |
| * Safety interlocks to prevent sample exposure when the microscope is not in use
 | **Yes/No** |  |
| **Certifications:** |  |  |
| * Compliance with relevant international standards (e.g., CE, ISO)
 | **Yes/No** |  |
| **Accessories Included:** |  |  |
| * Dust cover and protective accessories
 | **Yes/No** |  |
| * User manual and training materials
 | **Yes/No** |  |
| * Fluorescence filter sets
 | **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 #3: Binocular Microscope**

**Brand name.**

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

**Origin: USA, EURO, Japan.**

**Observation modes**:

* Bright-field.

**Optical system**:

* Infinity optical system.

**Head:**

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

**Illumination**:

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

**Objectives**:

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

**Focusing:**

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

**Condenser:**

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

 **Stage:**

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

**Power:**

* 220V, 50 HZ.

**Include:**

* Dust cover**,** filter**,** immersion oil**,** ) disposable delicate task wipers to clean something**,** such as optics, instruction manual, and service manual.
* ***Kindly your offer will not be taken into our consideration if you don’t fill in the table below***.

|  |  |  |
| --- | --- | --- |
| **Binocular Microscope** | **Yes/No** | **Comment** |
| **Manufacture**  | **Manufacture** |  |
| **Model**  | **Model** |  |
| **Origin: USA, EUPRE, japan.** | **Origin** |  |
| **Delivery time**  | **weeks** |  |
| ***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** |  |
| **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 #4: CBC Analyzer**

**Brand name.**

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

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

**Analyzer Overview:**

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

**Hematology Parameters:**

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

**Sample Handling:**

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

**Analysis Method:**

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

**Manual Handling:**

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

**User Interface:**

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

**Data Management:**

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

**Quality Control:**

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

**Connectivity:**

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

**Certifications:**

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

**Accessories Included:**

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

**Pricing for Consumables:** (Important)

* Request pricing details for Reagents, Calibrators, Controls, and all other consumables for the system for ongoing operation and maintenance.
* ***Kindly your offer will not be taken into our consideration if you don’t fill in the table below***.

|  |  |  |
| --- | --- | --- |
| **CBC Analyzer**  | **Yes/No** | **Comment** |
| **Manufacture**  | **Manufacture** |  |
| **Model**  | **Model** |  |
| **Origin: USA, EURO, Japan** | **Origin** |  |
| **3 years warranty** | **Yes/No** |  |
| **Delivery time**  | **weeks** |  |
| **Hematology Parameters:** |  |  |
| * Parameters Measured: Hemoglobin (Hb), Hematocrit (Hct), Red Blood Cells (RBC), White Blood Cells (WBC), Platelets (PLT), Mean Corpuscular Volume (MCV), Mean Corpuscular Hemoglobin (MCH), Mean Corpuscular Hemoglobin Concentration (MCHC), and 3-Part Differential WBC Count (Neutrophils, Lymphocytes, Monocytes)
 | **Yes/No** |  |
| **Sample Handling:** |  |  |
| * Sample Types: Whole blood, venous or capillary
 | **Yes/No** |  |
| * Sample Volume: [?] Microliters
 |  |  |
| * Throughput: [Specify Throughput] samples per hour
 | **Yes/No** |  |
| **Analysis Method:** |  |  |
| * Impedance and Optical Scattering: Provides accurate and reliable cell counting and sizing
 | **Yes/No** |  |
| * Hemoglobin Measurement: Cyanide-free method for safe and precise Hb analysis
 | **Yes/No** |  |
| **Manual Handling:** |  |  |
| * Manual sample loading for flexibility and ease of use
 | **Yes/No** |  |
| * Easy sample loading mechanism for efficient workflow
 | **Yes/No** |  |
| **User Interface:** |  |  |
| * Intuitive touchscreen interface with graphical display
 | **Yes/No** |  |
| * User-friendly software for data input, review, and report generation
 | **Yes/No** |  |
| **Data Management:** |  |  |
| * Storage Capacity: [Specify Storage Capacity] results
 | **Yes/No** |  |
| * Export Formats: PDF, CSV, and LIS connectivity for data transfer
 | **Yes/No** |  |
| * Data Analysis: Provides histograms and scattergrams for in-depth analysis
 | **Yes/No** |  |
| **Quality Control:** |  |  |
| * Internal Quality Control (IQC) and External Quality Assurance (EQA) features for accuracy and precision monitoring
 | **Yes/No** |  |
| * Calibration: Automated calibration procedures for reliable results
 | **Yes/No** |  |
| **Connectivity:** |  |  |
| * LIS (Laboratory Information System) integration for seamless data exchange
 | **Yes/No** |  |
| * Barcode reader compatibility for sample tracking and identification
 | **Yes/No** |  |
| **Certifications:** |  |  |
| * Compliance with relevant international standards (e.g., CE, ISO)
 | **Yes/No** |  |
| **Accessories Included:** |  |  |
| * Reagents, calibrators, controls, and all other needs for the system.
 | **Yes/No** |  |
| **Pricing for Consumables:** (Important) |  |  |
| * Request pricing details for Reagents, Calibrators, Controls, and all other consumables for the system for ongoing operation and maintenance.
 | **Yes/No** |  |
| **Hematology Parameters:** | **Yes/No** |  |
| * Parameters Measured: Hemoglobin (Hb), Hematocrit (Hct), Red Blood Cells (RBC), White Blood Cells (WBC), Platelets (PLT), Mean Corpuscular Volume (MCV), Mean Corpuscular Hemoglobin (MCH), Mean Corpuscular Hemoglobin Concentration (MCHC), and 3-Part Differential WBC Count (Neutrophils, Lymphocytes, Monocytes)
 |  |  |
| **Sample Handling:** | **Yes/No** |  |
| * Sample Types: Whole blood, venous or capillary
 |  |  |
| * Sample Volume: [?] Microliters
 | **Yes/No** |  |
| * Throughput: [?] samples per hour
 | **Yes/No** |  |
| **Analysis Method:** | **Yes/No** |  |
| * Impedance and Optical Scattering: Provides accurate and reliable cell counting and sizing
 |  |  |
| * Hemoglobin Measurement: Cyanide-free method for safe and precise Hb analysis
 |  |  |
| **Manual Handling:** |  |  |
| * Manual sample loading for flexibility and ease of use
 |  |  |
| * Easy sample loading mechanism for efficient workflow
 |  |  |
| **User Interface:** |  |  |
| * Intuitive touchscreen interface with graphical display
 |  |  |
| * User-friendly software for data input, review, and report generation
 |  |  |
| **Data Management:** |  |  |
| * Storage Capacity: [Specify Storage Capacity] results
 |  |  |
| * Export Formats: PDF, CSV, and LIS connectivity for data transfer
 |  |  |
| * Data Analysis: Provides histograms and scattergrams for in-depth analysis
 |  |  |
| **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 #5: Coagulometer**

**Brand name.**

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

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

**Design and Configuration:**

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

**Applications:**

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

**Sample Handling:**

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

**Reagent Handling:**

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

**Calibration and Quality Control:**

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

**Accessories and Readiness:**

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

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

|  |  |  |
| --- | --- | --- |
| **Coagulation meter** | **Yes/No** | **Comment** |
| **Manufacture** | **Manufacture** |  |
| **Model** | **Model** |  |
| **Origin** | **Origin** |  |
| **Delivery time** | **Delivery time** |  |
| **3 years Full warranty** | **Yes/No** |  |
| **Country of origin** | **Yes/No** |  |
| **Design and Configuration:** |  |  |
| * Compact Benchtop Design
 | **Yes/No** |  |
| * Open System: Allows flexibility in reagent selection and compatibility
 | **Yes/No** |  |
| **Applications:** |  |  |
| * Analytical Parameters: Prothrombin Time (PT), Activated Partial Thromboplastin Time (APTT), Thrombin Time (TT), D-Dimer (DD), Antithrombin (AT), and Fibrinogen (FIB)
 | **Yes/No** |  |
| * Incubation Position: Equipped with a dedicated position for sample and reagent incubation
 | **Yes/No** |  |
| **Sample Handling:** |  |  |
| * Sample Position: Accommodates sample vials for easy and organized handling
 | **Yes/No** |  |
| * Sample Mixer: Ensures thorough and uniform mixing of samples
 | **Yes/No** |  |
| **Reagent Handling:** |  |  |
| * Reagent Position: Provides space for reagent vials for streamlined reagent loading
 | **Yes/No** |  |
| * Reagent Stirring Bar: Facilitates consistent mixing of reagents for accurate results
 | **Yes/No** |  |
| * Heated Reagent Position: Offers a temperature-controlled environment for heat-sensitive reagents
 | **Yes/No** |  |
| **Calibration and Quality Control:** |  |  |
| * Multi-Point Calibration: Supports precise calibration for accurate measurement across the parameter range
 | **Yes/No** |  |
| **Accessories and Readiness:** |  |  |
| * Complete Set: Includes all necessary accessories, consumables, and components for immediate use
 | **Yes/No** |  |
| * Included PT Kit: Comes with one PT Kit for the Prothrombin Time assay
 | **Yes/No** |  |
| * Included Calibrator with Control: Includes calibration material and control samples for quality assurance
 | **Yes/No** |  |
| **With all accessories and consumables complete and ready to use.** | **Yes/No** |  |
| **10 years availability  for spare parts** | **Yes/No** |  |
| **Service and user manual** | **Yes/No** |  |
| **Date of manufacture of the machine not less than 2023**  | **Yes/No** |  |
| **Price should include installation and team training  in site** | **Yes/No** |  |

**Item #6: Hematocrit Centrifuge**

**Brand name.**

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

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

**Design and Configuration:**

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

**Sample Capacity:**

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

**Control System:**

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

**Centrifugation Performance:**

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

**Speed and Time Control:**

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

**Safety Features:**

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

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

|  |  |  |
| --- | --- | --- |
| **Hematocrit Centrifuge** | **Yes/No** | **Comment** |
| **Manufacture** | **Manufacture** |   |
| **Model** | **Model** |   |
| **Origin** | **Origin** |   |
| **Delivery time** | **weeks** |   |
| ***3 years Full warranty*10 years availability  for spare parts** | **Yes/No** |   |
| **Design and Configuration:** |  |   |
| * Benchtop Design: Designed for convenient use on laboratory workstations
 | **Yes/No** |   |
| * Brushless Motor: Equipped with a reliable and maintenance-free brushless motor
 | **Yes/No** |   |
| **Sample Capacity:** |  |  |
| * Capacity: Accommodates up to 24 samples simultaneously
 | **Yes/No** |  |
| * Tubes volume: Hematocrit capillary tube
 | **Yes/No** |  |
| **Control System:** |  |  |
| * Microprocessor Control: Utilizes advanced microprocessor technology for precise control and operation
 | **Yes/No** |  |
| **Centrifugation Performance:** |  |  |
| * Maximum Speed: Up to 13000 RPM for efficient separation and processing
 | **Yes/No** |  |
| **Speed and Time Control:** |  |  |
| * Speed and Time Controller: Equipped with adjustable speed and time settings for customization
 | **Yes/No** |  |
| **Safety Features:** |  |   |
| * Door Lock: Features a secure door lock mechanism to ensure safe operation during centrifugation
 | **Yes/No** |   |
| **With all accessories and consumables complete and ready to use.** | **Yes/No** |   |
| **10 years availability  for spare parts** | **Yes/No** |   |
| **Service and user manual** |  |  |
| **Date of manufacture of the machine not less than 2023**  | **Yes/No** |   |
| **Price should include installation and team training  in site** | **Yes/No** |   |

**Item #7: Benchtop Centrifuge**

**Brand name.**

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

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

**Design and Motor:**

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

**Control System:**

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

**Control and Display:**

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

**Centrifuge Chamber:**

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

**Rotor Compatibility:**

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

**Capacity:**

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

**Maximum Speed:**

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

**Safety Features:**

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

**Power Requirements:**

* Power: 220 V, suitable for standard electrical outlets

**Optional Add-Ons:**

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

|  |  |  |
| --- | --- | --- |
| **Benchtop Centrifuge** | **Yes/No** | **Comment** |
| **Manufacture**  | **Manufacture** |  |
| **Model**  | **Model** |  |
| **Origin: USA, EURO, Japan** | **Origin** |  |
| **3 years warranty** | **Yes/No** |  |
| **Delivery time**  | **weeks** |  |
| **Design and Motor:** |  |  |
| * Benchtop Centrifuge: Designed for compact and efficient laboratory use
 | **Yes/No** |  |
| * Brushless Motor: Equipped with a reliable and maintenance-free brushless motor
 |  |  |
| **Control System:** | **Yes/No** |  |
| * Microprocessor Control: Utilizes advanced microprocessor technology for precise control and operation
 |  |  |
| **Control and Display:** | **Yes/No** |  |
| * Digital Display: Provides clear and accurate information
 |  |  |
| * Real-Time Display: Actual values indicated during centrifugation for real-time monitoring
 | **Yes/No** |  |
| * Speed Display: RPM x 100, adjustable in steps of 100
 | **Yes/No** |  |
| * RCF Key: Displays relative centrifugal force (RCF) during operation
 |  |  |
| * Time Control: Adjustable from 1 to 99 minutes, continuous operation supported
 | **Yes/No** |  |
| * Impulse Key: For short-duration centrifugation operations
 | **Yes/No** |  |
| **Centrifuge Chamber:** |  |  |
| * Stainless Steel Chamber: Constructed with durable and corrosion-resistant materials
 | **Yes/No** |  |
| **Rotor Compatibility:** | **Yes/No** |  |
| * Easily Exchangeable Rotors: Capability to use two types of rotors – swing-out or fixed angle
 |  |  |
| * If Swing-Out Rotor: Equipped with buckets and lids for secure sample handling
 | **Yes/No** |  |
| * Bucket Sizes: Includes 4 buckets for 5 ml and 10 ml test tubes and 4 buckets for 15 ml conical tubes
 | **Yes/No** |  |
| **Capacity:** | **Yes/No** |  |
| * Total Capacity: 16 tubes, distributed among the available bucket sizes
 |  |  |
| **Maximum Speed:** | **Yes/No** |  |
| * Max Speed: Up to 26,000 RPM for tube volumes types, achieving optimal results
 | **Yes/No** |  |
| **Safety Features:** |  |  |
| * Emergency Lid Lock Release: Ensures safety and easy access in case of emergencies
 | **Yes/No** |  |
| * Imbalance Switch-Off: Automatically stops operation in case of imbalance
 | **Yes/No** |  |
| * Automatic Rotor Recognition: Enhances user safety and prevents incorrect usage
 |  |  |
| **Power Requirements:** | **Yes/No** |  |
| * Power: 220 V, suitable for standard electrical outlets
 |  |  |
| **Optional Add-Ons:** | **Yes/No** |  |
| * Swing-Out Rotor: Optional pricing available for a swing-out rotor
 |  |  |
| * Thermal Fuse: Optional thermal fuse for added safety
 | **Yes/No** |  |
| * Buckets and Lids: Optional buckets and lids for 5 ml and 15 ml volumes
 | **Yes/No** |  |
| **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 #8: Incubator**

**Brand name.**

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

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

* For general lab applications.
* Volume 110 L.
* Temp range: up to 80 C.
* Microprocessor control.
* Adjustable parameters: time, temp, …..
* Self-diagnostics for any error.
* Clear display.
* Double door one of them glass door.
* Resolution of display for set point and actual temperature values 0.1°C.
* The program is stored in case of power failure.
* Fast recovery time.
* Two shelves.
* Access port.
* With temperature calibration certificate.
* ***Kindly your offer will not be taken into our consideration if you don’t fill in the table below***.

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

**Item #9: Water bath**

**Brand name.**

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

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

**Volume:** 45 Liters

**Temperature Control:**

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

**Visual Alarms:**

* Over temperature protection.

**Interior Chamber (Anterior):**

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

**Exterior Chamber:**

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

**Power Supply:**

* Voltage: 220V
* Frequency: 50Hz

**Certification:**

* Temperature calibration certificate included.

**Additional Features:**

* Equipped with a protective cover.
* Includes a rack designed for accommodating small tubes (0.2 ml, 0.5 ml, 2 ml, 5 ml).
* Provided with clips suitable for securing small tubes (0.2 ml, 0.5 ml, 2 ml, 5 ml).
* ***Kindly your offer will not be taken into our consideration if you don’t fill in the table below***.

|  |  |  |
| --- | --- | --- |
| **WATER BATH** | **Yes/No** | **Comment** |
| **Manufacture**  | **Manufacture** |  |
| **Model**  | **Origin** |  |
| **Origin: USA, Europe, japan**  | **Model** |  |
| **Delivery time**  | **Time**  |  |
| **3 years Full warranty,10 years availability for spare part** | **Yes / No** |  |
| Volume:45 Liters | **Yes / No** |  |
| Microprocessor-based temperature controller. | **Yes / No** |  |
| Temperature Range: 5°C to 100°C with a resolution of 0.1°C. | **Yes / No** |  |
| Integrated auto diagnostic system with a fault indicator. | **Yes / No** |  |
| Digital LED display for both set and actual temperature. | **Yes / No** |  |
| Digital timer: 1 minute to 95 hours and 59 minutes. | **Yes / No** |  |
| Low water sensor. | **Yes / No** |  |
| Visual Alarms:Over temperature protection. | **Yes / No** |  |
| Anterior Chamber: Constructed with easy-to-clean corrosion-resistant material. | **Yes / No** |  |
| Exterior Chamber: Constructed from stainless steel, featuring laser-welded joints for exceptional corrosion resistance. | **Yes / No** |  |
| Temperature calibration certificate included. | **Yes / No** |  |
| Equipped with a protective cover. | **Yes / No** |  |
| Includes a rack designed for accommodating small tubes (0.2 ml, 0.5 ml, 2 ml, 5 ml). | **Yes / No** |  |
| Provided with clips suitable for securing small tubes (0.2 ml, 0.5 ml, 2 ml, 5 ml). | **Yes / No** |  |
| **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 #10: WBC’s deferential counter**

 **MANUAL DIFFERENTIAL COUNTERS - BENCHTOP**

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

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

 **Item #11: Neubauer Counting Chamber**

**Specifications**

|  |  |
| --- | --- |
| Components:  | Glass counting chamber (reusable)  |
|    | 1 glass planned cover slide (reusable)  |
| Materials:  | Glass  |
| Specifications:  | Depth: 0.1mm  |
|    | Volume: 0.9mm³  |
|    | Double engraved grid  |

**Item #12: Vibrator/Shaker**

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

**Origin: Brand name**

* Capacity: up to 1,5 Kg / 4 microliters plates
* vibration: orbit performs gentle mixing for a small sample.
* Variable speed: 150 - 125 rpm.
* Time : 0 - 120 min
* ***Kindly your offer will not be taken into our consideration if you don’t fill in the table below***.

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

**Item #13: Tube Vortex Mixer**

**Brand name.**

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

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

* **السعر يشمل التوريد 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***.

|  |  |  |
| --- | --- | --- |
| **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: 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 #15: Gel Incubator**

**Brand name.**

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

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

**Incubator Overview:**

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

**Temperature Control:**

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

**Heating System:**

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

**Capacity:**

* Capacity: 12 gel cards or plates

**User Interface:**

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

**Monitoring and Display:**

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

**Design and Build:**

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

**Lid and Sealing:**

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

**Accessories and Compatibility:**

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

**Power Requirements:**

* Power supply: 220V.

**Certifications**:

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

|  |  |  |
| --- | --- | --- |
| **Gel Incubator** | **Yes/No** | **Comment** |
| **Manufacture.** | Manufacture |  |
| **Model.** | Model |  |
| **Origin:**  | Origin |  |
| **Delivery time.** | Weeks |  |
| **3 years Full warranty.** | Yes/No |  |
| **Brand name.** | Yes/No |  |
| **Incubator Overview:** | Yes/No |  |
| * Incubator Type: Gel Incubator
 | Yes/No |  |
| * Intended Use: Medical laboratory for gel-based diagnostics
 | Yes/No |  |
| **Temperature Control:** | Yes/No |  |
| * Temperature Range: 36°C - 40°C
 | Yes/No |  |
| * Temperature Stability: ±0.1 degrees Celsius
 | Yes/No |  |
| **Heating System:** | Yes/No |  |
| * Precision Heating: Utilizes advanced heating technology for consistent and accurate temperature control
 | Yes/No |  |
| **Capacity:** | Yes/No |  |
| * Capacity: 12 gel cards or plates
 | Yes/No |  |
| **User Interface:** | Yes/No |  |
| * Intuitive Interface: User-friendly control panel for easy temperature adjustment and monitoring
 | Yes/No |  |
| **Monitoring and Display:** | Yes/No |  |
| * Digital Display: Provides clear and accurate temperature readings
 | Yes/No |  |
| * Real-Time Monitoring: Allows real-time tracking of incubation conditions
 | Yes/No |  |
| **Design and Build:** | Yes/No |  |
| * Compact Design: Space-saving design suitable for laboratory use
 | Yes/No |  |
| * Construction: Durable and corrosion-resistant materials for long-lasting performance
 | Yes/No |  |
| **Lid and Sealing:** | Yes/No |  |
| * Sealed Lid: Ensures airtight environment to prevent contamination and evaporation
 | Yes/No |  |
| **Accessories and Compatibility:** | Yes/No |  |
| * Compatible with gel cards or plates
 | Yes/No |  |
| * Additional Accessories: [Specify Additional Accessories, if applicable]
 | Yes/No |  |
| **Power Requirements:** | Yes/No |  |
| * Power supply: 220V.
 | Yes/No |  |
| **Certifications**:* Compliance with relevant international standards (e.g., CE, ISO)
 | Yes/No |  |
| **User, Application, and service manuals.** | Yes/No |  |
| **The price includes installation with application training on-site.** | Yes/No |  |
| **Complete and Ready to use with all accessories.** | Yes/No |  |
| **Date of manufacture not less than 2023.** | Yes/No |  |
| **في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.** | Yes/No |  |

**Item #16: Gel Centrifuge**

**Brand name.**

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

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

**Centrifuge Overview:**

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

**Capacity:**

* Capacity: 12 gel cards or plates

**Speed Control:**

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

**Rotor Compatibility:**

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

**User Interface:**

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

**Digital Display:**

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

**Design and Build:**

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

**Lid and Safety Features:**

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

**Accessories and Compatibility:**

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

**Power Requirements:**

* Power supply: 220V.

**Certifications:**

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

|  |  |  |
| --- | --- | --- |
| **Gel Centrifuge** | **Yes/No** | **Comment** |
| **Manufacture.** | Manufacture |  |
| **Model.** | Model |  |
| **Origin:**  | Origin |  |
| **Delivery time.** | Weeks |  |
| **3 years Full warranty.** | Yes/No |  |
| **Brand name.** | Yes/No |  |
| **Centrifuge Overview:** | Yes/No |  |
| * Centrifuge Type: Gel Centrifuge
 | Yes/No |  |
| * Intended Use: Medical laboratory for gel-based diagnostics
 | Yes/No |  |
| **Capacity:** | Yes/No |  |
| * Capacity: 12 gel cards or plates
 | Yes/No |  |
| **Speed Control:** | Yes/No |  |
| * Speed Range: 4000-6000 RPM
 | Yes/No |  |
| * Speed Stability: ±50 RPM variation
 | Yes/No |  |
| **Rotor Compatibility:** | Yes/No |  |
| * Compatible Rotors: Designed to accommodate specific gel card or plate rotors
 | Yes/No |  |
| **User Interface:** | Yes/No |  |
| * Intuitive Interface: User-friendly control panel for easy speed adjustment and monitoring
 | Yes/No |  |
| **Digital Display:** | Yes/No |  |
| * Digital Display: Provides clear and accurate speed readings
 | Yes/No |  |
| * Real-Time Monitoring: Allows real-time tracking of centrifugation conditions
 | Yes/No |  |
| **Design and Build:** | Yes/No |  |
| * Compact Design: Space-saving design suitable for laboratory use
 | Yes/No |  |
| * Construction: Durable and corrosion-resistant materials for long-lasting performance
 | Yes/No |  |
| **Lid and Safety Features:** | Yes/No |  |
| * Sealed Lid: Ensures airtight environment to prevent contamination and sample evaporation
 | Yes/No |  |
| * Safety Interlock: Prevents lid opening during operation for user safety
 | Yes/No |  |
| **Accessories and Compatibility:** | Yes/No |  |
| * Compatible with gel cards or plates
 | Yes/No |  |
| * Additional Accessories: [Specify Additional Accessories, if applicable]
 | Yes/No |  |
| **Power Requirements:** | Yes/No |  |
| * Power supply: 220V.
 | Yes/No |  |
| **Certifications:** | Yes/No |  |
| * Compliance with relevant international standards (e.g., CE, ISO)
 | Yes/No |  |
| **User, Application, and service manuals.** | Yes/No |  |
| **The price includes installation with application training on-site.** | Yes/No |  |
| **Complete and Ready to use with all accessories.** | Yes/No |  |
| **Date of manufacture not less than 2023.** | Yes/No |  |
| **في حال وجود أية قطعة ضرورية لتشغيل الجهاز غير موضحة يرجى ذكرها وتوضيحها في العرض غير ذلك تعتبر الشركة بتحمل وجود أية نواقص.** | Yes/No |  |

**Item #17: Medical laboratory photometer**

**(Semi-automated chemistry)**

**Brand name.**

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

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

**Application:**

* Application: Medical laboratory diagnostics

**Display:**

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

**System Configuration:**

* Open System: Allows flexibility in reagent selection and compatibility

**Reading Options:**

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

**Cuvette Compatibility:**

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

**Reading Modes:**

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

**Sample Compatibility:**

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

**Calculation Modes:**

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

**Wavelength Selection:**

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

**Reaction Volume and Accuracy:**

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

**Functional Features:**

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

**Memory and Data Management:**

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

**Printing Capability:**

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

**Maintenance and Accessories:**

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

**Cuvettes Supply:**

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

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

|  |  |  |
| --- | --- | --- |
| **Semi-automated chemistry** | **Yes/No** | **Comment** |
| Manufacture  | Manufacture |   |
| Model  | Model |   |
| Origin: USA, Europe, japan  | Origin |   |
| Delivery time | Delivery time |   |
| 3 years Full warranty | Yes/No |   |
| Brand name | Yes/No |   |
| **Application:** | Yes/No |   |
| * Application: Medical laboratory diagnostics
 | Yes/No |   |
| **Display:** | Yes/No |   |
| * Clear Display: Equipped with a clear and user-friendly display
 | Yes/No |   |
| **System Configuration:** | Yes/No |   |
| * Open System: Allows flexibility in reagent selection and compatibility
 | Yes/No |   |
| **Reading Options:** | Yes/No |   |
| * Two Reading Options: Flow cell and cuvettes for diverse measurement methods
 | Yes/No |   |
| **Cuvette Compatibility:** | Yes/No |   |
| * Cuvettes: Compatible with 10mm square and 12mm round tubes
 | Yes/No |   |
| **Reading Modes:** | Yes/No |   |
| * Measurement Modes: Offers various measurement modes including endpoint, fixed time, kinetic, absorbance, and differential
 | Yes/No |   |
| **Sample Compatibility:** | Yes/No |   |
| * Sample Types: Suitable for serum, plasma, and urine samples
 | Yes/No |   |
| **Calculation Modes:** | Yes/No |   |
| * Calculation Modes: Supports single calibrator, multi-standard, and factor-based calculations
 | Yes/No |  |
| **Wavelength Selection:** | Yes/No |  |
| * Wavelengths: Configurable at 340, 405, 505, 545, 580, 630, and one additional free position
 | Yes/No |  |
| **Reaction Volume and Accuracy:** | Yes/No |  |
| * Minimum Reaction Volume: 300 μl
 | Yes/No |  |
| * Wavelength Accuracy: ±0.3 nm
 | Yes/No |  |
| **Functional Features:** | Yes/No |  |
| * Vacuum Pump and Waste Bottles: Equipped with a vacuum pump and waste liquid containers
 | Yes/No |  |
| * Heater: Includes a heater for reaction and incubation purposes
 | Yes/No |  |
| * Incubation Temperature: 37°C
 | Yes/No |  |
| **Memory and Data Management:** | Yes/No |  |
| * Internal Memory: Stores sample and calibration data along with quality control (QC) records
 | Yes/No |  |
| **Printing Capability:** | Yes/No |  |
| * With Printer and Paper: Includes a built-in printer with paper for result documentation
 | Yes/No |  |
| **Maintenance and Accessories:** | Yes/No |  |
| * Cleaning Solution: Provided for maintaining the flow of cell
 | Yes/No |  |
| * Ready-to-Use: Complete with all standard accessories for immediate operation
 | Yes/No |  |
| **Cuvettes Supply:** | Yes/No |   |
| * Cuvettes Supply: Includes one pack of cuvettes (one pack included)
 | Yes/No |   |
| **Application:** | Yes/No |   |
| **Price includes installation  training on the site and at least running one sample** | Yes/No |   |
| **10 years availability  for spare parts** | Yes/No |   |
| **With dust cover.** | Yes/No |   |
| **User’s  and service manual** | Yes/No |   |
| **With all service and user passwords.** | Yes/No |   |
| **Date of manufacture not less than 2023** | Yes/No |   |

**Item #18:Refractometer:**

**Brand name.**

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

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

**Safety and Training:**

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

|  |  |  |
| --- | --- | --- |
| **Refractometer** | **Yes/No** | **Comment** |
| **Manufacture.** | Manufacture |  |
| **Model.** | Model |  |
| **Origin:**  | Origin |  |
| **Delivery time.** | Weeks |  |
| **3 years Full warranty.** | Yes/No |  |
| **Brand name.** | Yes/No |  |
| Application: measurement for Food, laboratories, Training, Chemical. | Yes/No |  |
| Digital refractometers | Yes/No |  |
| Light source LED | Yes/No |  |
| The integrated scale allows the use in different applications and provides the best possible security to read the measurement results accurately | Yes/No |  |
| simple reliable refractometer with a digital thermometer | Yes/No |  |
| Scales: brix refractive index. | Yes/No |  |
| Measuring range : 0- 95% 13000 to 17000 nD | Yes/No |  |
| Accuracy: ± 0.1 ± 0.0002 nD | Yes/No |  |
| It measures the refractive index (nD). | Yes/No |  |
| Liquid, solid and pasty samples can be evaluated | Yes/No |  |
| Complete System ready to use with all accessories | Yes/No |  |
| Optional: Calibration solution and Calibration block  | Yes/No |  |
| **The system should be CE/ISO 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 |  |
| **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 #19: U.V. Light
Brand name.**

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

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

**U.V. Light Overview:**

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

**Light Source:**

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

**Wavelength Range:**

* Wavelength Range: 254 - 365 nanometers (nm)

**Intensity Control:**

* Intensity Control: Adjustable intensity settings for various applications

**Safety Features:**

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

**Timer Function:**

* Timer Function: Includes timer settings for controlled exposure duration

**Application Compatibility:**

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

**Display and Controls:**

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

**Design and Build:**

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

**Power Requirements:**

* Power supply: 220V.

**Certifications:**

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

|  |  |  |
| --- | --- | --- |
| **U.V. Light** | **Yes/No** | **Comment** |
| **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:** |  |  |
| * 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
 | 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
 |  |  |
| * Construction: Built with durable and UV-resistant materials
 |  |  |
| **Power Requirements:** |  |  |
| * Power supply: 220V.
 |  |  |
| **Certifications:** |  |  |
| * Compliance with relevant international safety standards (e.g., CE, UL)
 |  |  |
| **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 |  |