عطاء رقم 13/ل/2019
توريد وتركيب وتشغيل أجهزة/ كلية الطب

الأجهزه الرئيسيه:

Capital Equipment	Description	Quantity
Class II Biological Safety Cabinet Type A2	1. Utilize DC motor technology to ensure lower levels of energy consumption and heat emission. 2. 220 – 240V, 50/60 Hz 3. The motor must automatically adjust the airflow speed without the use of a damper to ensure continuous safe working conditions, even without maintenance adjustments. 4. The usable work area of the cabinet interior must be greater than 0.5 m2 for a standard 1.2 m wide cabinet Automatically programmable shut off for UV light (allow the user to program the timer in one hour increments, from 0 to 24 hours). 5. All filters and components of the plenum and blower motor assembly must be accessible front to front to allow for easier servicing and maintenance of the cabinet over its lifetime. 6. The overall cabinet height must be lower than 2200 mm and interior Width (Metric) Interior of 1.2m 7. The cabinet noise level must be less than 60 dB(A) for a 1.2 m cabinet as measured in a sound proof room 8. The microprocessor must display the inflow and down flow air velocities and the number of hours of use on the HEPA in real-time on an LED display. 9. The interior of the front window must be accessible for cleaning without requiring the user to manually hold the window. 10. Exhaust Air Filter HEPA H 14 EN 1822, 99.995% at 0.3µm particle 11. Window opens to 20cm working height 12. Visual and audible alarm 13. Single working space (plate) 14. System can monitor when cabinet need maintenance 15.. 2 years minimum warrant	1 unit
Bench top centrifuge (high speed low temp)	1. Easy operation 2. 220 – 240V, 50/60 Hz 3. Low vibration 4. Tool-free quick rotor exchange 5. Quick-spin feature 6. Imbalance and tilt safety cut-out, as well as safety interlock lid 7. Back-lit, customizable display	1 unit

	8. Speed ≥15000rpm . 9. Noise Level 51-53 dBA 10. Timer around 1 hour. 11. Quick Spin available includes 12 x 1.5/2.0mL tube rotor, 15 ml rotor, 50 ml rotor and plate adapter. 12. 2 years minimum warranty	
Compound LCD Digital Biological Microscope with Extra Wide Field and Infinity Plan Optical System	Digital Parts Sensor Size: 1/2.5 Inches 5.0 Megapixel CMOS image sensor Photo Resolution: 12.0 Megapixel Video Resolution: 1080P/3Ofps LCD Screen: 9 inches HD LCD screen, resolution is 1280x800 Data Output: USB2.0, HDMI Digital Zoom: 8x Storage: SD Card Exposure Mode: Auto/Manual White Balance: Auto/Manual Crossing Line: Black, White, Red, Blue, Green Optical Parts Viewing Head: Seidentopf Binocular Head, Inclined 30° Eyepiece: Wide Field Eyepiece WF10x/16 Objective: Infinity Plan Achromatic x/0.10,10x/0.25,40x/0.65(Spring),100x/1.25 4 ((Spring,Oil Nosepiece: Quadruple Stage: Double Layers Mechanical Stage 140mm x ;140mm Moving Range:75mm x 50mm Focusing System: Coaxial Coarse and Fine Focus with Tension Adjustable, Range 24mm, Fine Division 0.002mm Illumination: 3W LED Lamp, Brightness Adjustable Condenser: NA1.25 Abbe Condenser with Iris Diaphragm & Filter (Blue and Green	1 unit

Card Single Door Access Control Keypad System for Lab doors Security (Password keypad card door lock access control security system with doorbell button)	تامين ابواب المختبر بواسطه جهاز يعمل برقم سري و كارت • Full programming from the keypad, easy to install and program • 1000 users, supports Card, PIN, Card + PIN • Can be used as a standalone keypad • User-friendly and adaptable interface • Easy of use to add and remove access • Adjustable Door Output time, Door Open time • Lock output current short circuit protection • Built in buzzer • Red and Green LEDS display the working status • Installation, training, and ongoing maintenance and support	3-5 doors
(-86)°C Upright Ultra-Low Temperature Freezer	1. Capacity (Metric) more than 500L 2. 220 – 240V, 50/60 Hz 3. Display Push Button LED 4. Shelves 3 5. Temperature Range -50° to -86°C Temperature 6. Range (Metric) -50°C to -86°C 7. Type Ultra Low Freezer Upright (vertical) 8. Inner Doors 4 9. Interior Painted 10. Line Voltage Indicator Buck/Boost 11. Regulatory Approvals CE, FDA Class I 12. Adjustable Warm/Cold Alarms 13. Microprocessor Control 14. Centralized, eye level information center, including microprocessor control and monitoring system; all controls and displays are easy to reach and read 15. Outside double door to store frequently used samples in the top chamber while long- term storage remains undisturbed in bottom 16. 2 years minimum warranty.	1 Unit
Autoclave	1. Volume > 200 L 2. 220 – 240V, 50/60 Hz, 16 A 3. At least 2 cycles 4. Different program for different type of material 5. Temperature range 105-135 oC 6. Dry time range 1-60 min 7. Floor stand/ nonbench top/large size 8. Include all necessary trays 9. Safety system 10. Digital display for parameter 11. 2 years minimum warranty	1 unit

اجهزه الكمبيوتر والطابعات

Capital Equipment	Description	Quantity
Lab top computer	Laptop Display :LCD 12-15 inches Hard Disk: 1 tera Ram: 12-16 GB Core i7 High resolution Bluetooth Wireless	2 units
Desktop computer	Storage capacity): **1** tera HDD (Processor: CORE i7 RAM: 32GB DVD RW Drive Monitor :LCD	2 units
Printers	All-in-One (طابعة , ناسخة , ماسح ضوئي) طابعة ليزر ملونة USB Wi-Fi Bidirectional printing	2 units

- الرجاء تعبئة البيانات حسب النموذج المرفق.