



Republic of the Philippines
CAVITE STATE UNIVERSITY
Don Severino de las Alas Campus
 Indang, Cavite
 cvsu.edu.ph

SUPPLY, DELIVERY AND INSTALLATION OF LABORATORY EQUIPMENT FOR BEAN 1 PROJECT

ABC: ₱2,050,000.00

Item No.	Qty/Unit	Specifications	Unit Price	Total Price
1	1 unit	<p>Nanodrop Spectrophotometer Instrument Control: Built-in touchscreen Minimum Sample: Volume 1µL Limit of Detection: i) dsDNA (RNA): Pedestal: 2.0(1.6) ng/µL Cuvette: 0.2(0.16) ng/µL ii) BSA (IgG): Pedestal: 0.06(0.03) mg/mL Cuvette: 0.006(0.003) ng/mL Maximum Concentration: i) dsDNA (RNA): Pedestal: 27,500 (22,000) ng/µL; ii) BSBA (IgG): Pedestal: 820 (0400) mg/mL Measurement and Data Processing Time: At least 8 seconds Wavelength (Range): 190-850 nm Wavelength (Accuracy): ±1 nm Photometric: i) Range 10 mm equivalent: Pedestal: 0-550 A Cuvette: 0-1.5A ii) Accuracy: 3% at 0.97A, 302 nm Resolution: (Spectral Bandwidth) Pathlength: 0.030 to 1.0mm (auto ranging) Light Source: Xenon Flash Detector Type: 2040-element CMOS Linear Image Sensor Dimensions: manufacturer's standard Operating Voltage: 12 V (DC) Power Consumption: i) Operating: 12-18 W ii) Standby: 5 W Stirring (cuvette only): 9 speeds Temperature Control (cuvette only): 37°C On-Board Control (operating system): Android On-Board Control (CPU): Android: Quad Core ARM Cortex A-9 Process</p>	990,000.00	990,000.00

		<p>On-Board (Display): 7 inch, 1280x800 high definition color display</p> <p>On-Board Control (Touchscreen): Multipoint Capacitive touch</p> <p>On-Board Control (Gesture Recognition):</p> <p>Single point, single point hold, swipe and pinch</p> <p>On-Board Control (Glove Compatibility): Compatible with lab gloves</p> <p>On-Board Control (Internal Storage): 32GB Flash memory On-Board Control</p> <p>(Audio): Built-in Speaker</p> <p>Connectivity: Three USB-A ports, Ethernet, Bluetooth and Wifi</p> <p><i>Inclusion:</i></p> <p>At least one 3 KVA UPS</p> <p>All-in-one Desktop</p> <p><i>Specifications:</i></p> <p>Processor: At least 13th Gen Intel Core i5.1335U (12 MB) cache, 10 cores, 12 thread, up to 4.60 GHz Turbo</p> <p>Screen size: 23.8" FHD (1920 x 1080), 60 Hz, Nm-Touch, antiglare, Infinity Edge, Narrow Border</p> <p>Camera: Retractable Camera with FHDRGB+IR, non-tilt, black</p> <p>Power Supply: 90 watts AC Adapter</p> <p>Memory: at least 12 GB, 1x1211 GB, DDR4, 3200 MHz</p> <p>Hard Disk Drive: at least 512 GB, M.2; PCIe NVMe, SSD</p> <p>Graphics: Intel UHD Graphics</p> <p>Connectivity: Intel Wi-Fi GE AX211, 2x2, 802.11ax</p> <p>Bluetooth wireless card</p> <p>With Wireless Keyboard and Mouse</p> <p>Operating System: Windows 11 Pro, 64-bit</p> <p>MS Office License: Microsoft Office Pro</p> <p>Video Card Discrete: NVIDIA GeForce Mx550, 2 GB, GDDR6</p> <p>Dimension and Weight: manufacturer's standard</p> <p>Audio and Speaker: Bluetooth stereo speaker 5W x 2</p> <p>Printer</p> <p>Compact Integrated Tank design</p> <p>High Yield ink bottles</p> <p>Spill-free Error-free refilling</p> <p>Seamless Setup</p> <p>Borderless Printing up to 4R</p> <p><i>Specifications:</i></p>		
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2	1 unit	<p>Microplate Centrifuge Maximum Capacity: 2 standard PCR or Microtiter plates Rotor Speed: Approximately 500 x g Ambient Operating Range: 40°C to 35°C Dimension: manufacturer's standard Electrical: 230 V, 50/60 Hz</p>	90,000.00	90,000.00
3	2 units	<p>Multi-dispense Channel Range: 5-50µL Inaccuracy: ±0.15µL to 0.40µL Imprecision (µL): 0.125 sd µL to 0.15 sd µL Battery: Li-on battery Capacity: 950 mAh Charging time: Approx. 1 h Charging temperature: 0 to +45°C Power Supply Unit Type: Switching power supply Input Voltage: 100-240V~50/60 Hz, 300 Ma Output Voltage: 5.0 V 500 Ma</p>	70,000.00	140,000.00
4	2 units	<p>Multi- channel Micropipette Range: 1-10µL Channel: 8 Inaccuracy (µL): ±0.12 to ±0.24 Imprecision (µL): 0.08 and 0.16 Autoclavable: YES</p>	115,000.00	230,000.00
5	2 units	<p>Electrophoresis with Built-in Transilluminator Running Voltage: Adjustable 50, 75, 100 and 135 V Illumination: Integrated, 120 High-intensity blue leds</p>	200,000.00	400,000.00

		<p>Buffer Compatibility: TAE and TBE Gel size: Small tray 6x6cm, Large tray 12x6cm and 50 on large gels Multi-channel Compatible: YES Compatible DNA Dyes: SeeGreen, GelGreen, SBYR, GreenView and other bluelight compatible DNA dyes Documentation: Fold-A-View Photo hood Timer: Variable, up to 120 min Dimensions: manufacturer's standard Power Supply: DC 9V, 4A At least one 3 KVA UPS</p>		
6	1 unit	<p>-40 Degrees Celsius Laboratory Freezer Capacity: at least 360 L (12.7 cu ft.) Temperature Range: -20°C to -40°C (-4 to -40°F) Temperature Uniformity Range: ±4°C (39.2°F) Ambient Temperature: c (+10°C to 25°C) Door: 1 Solid door, steel white color with aluminum handle and powder-coated with ISOCIDE Alarms: Open door, high/low temperature, clogged condenser filter Controller: Touchscreen controller Defrost: Intelligent Automatic Dry Contacts Alarm: Dry contact to correct to remote control Wheels: Small Caster (3.5cm) CFC and HCFC Free Refrigerator: R452A Heat Emission: 1320 W Power Consumption (Kwh/24H): 13.8 Power Consumption (Standby): 50 W Interior Walls: AISI 304 Stainless Steel Default Number of Shelves: 4 Shelves Maximum Number of Shelves/ Drawers: 6/6 Typical Noise Level (<dBA): 50 Interior and External Dimensions: Manufacturer's standard Type of Insulation: Polyurethane Foam Insulation Thickness: 80mm (3.1") At least one 3 KVA UPS</p>	200,000.00	200,000.00
			Total	₱2,050,000.00

* With presentation/demo (on-site) before acceptance, and user's training prior to final acceptance of the product. Must have at least one year of calibration and preventive maintenance services and at least a two-year warranty on parts and services on all equipment