

**SUPPLY, DELIVERY AND INSTALLATION OF VARIOUS
LABORATORY EQUIPMENT FOR CVMBS**

ABC: ₱ 2,580,000.00

Item No.	Qty	Item Description	Specifications	Function	Price (Php)	Total Price (Php)
1	2 units	VERTICAL AUTOCLAVE WITH PROGRAMMABLE TEMPERATURE CONTROL SYSTEM	Vertical autoclave with Chamber Capacity approx. 50 Liter, Power Consumption of 220V-240V / 2.3 KW (MAX) / 10A Using Pressure and Temperature Unwrapped / Wrapped / Liquids, Design Temperature of 140°C, Safety Device: Over Heat (Low Water) Cut-Off Switch Safety Valve and Release Valve, Emergency Exhaust Valve Door Safety Holder Pressure Protection Switch Temperature Control System, Standard Accessories: Stainless Steel Basket Clip / Heater Cover and with product presentation (On-Site Visit)	Used to sterilize laboratory equipment as well as surgical equipment used in surgery classes. Further, since it will be automatic and electricity operated fire-hazard will be significantly minimized as compared to the autoclave that is being used as of the moment which uses liquefied petroleum gasoline	275,000.00	550,000.00
2	1 unit	LABORATORY FREEZER (TEMP SET POINT: -80 DEGREES)	Laboratory freezer with External dimensions of at least 30 inch (W) x 35 inch (D) x 72 inch (H), Internal dimensions of at least 20 inch (W) x 24 inch (D) x 45 inch (H), Capacity at least 350 L, Cooling performance: -86°C at the center of the chamber (ambient temp. 30°C no load), Temperature control range: -86°C to -50°C (ambient temp. 30°C no load), Power Voltage AC 230V/240 V and with product presentation (On-Site Visit)	Use for instruction and research as the deep freezer may be used for storing important biological samples such as blood	500,000.00	500,000.00
3	2 units	LABORATORY INCUBATOR	Incubator with natural convection (natural convection by air jacket; room temp. +5°C to 60°C), 230V, at least 100 L capacity, and with product presentation (On-Site Visit)	useful in the conduct of experiments involving live microorganisms such as bacteria and fungi. The incubator may also be used in research for isolating bacteria in different biological samples	250,000.00	500,000.00
4	1 unit	CELL LINE INCUBATOR (WITH CO2 TANK)	Cell line incubator, machine should fit table space of more than the approximate dimension of 16 inch (W) x	This equipment will be very useful in the goal of CVMBS in developing a	500,000.00	500,000.00

Item No.	Qty	Item Description	Specifications	Function	Price (Php)	Total Price (Php)
			19 inch (D) x 21.5 inch (H), Chamber dimension at least 12.5 inch (W) x 13.7 inch (D) x 14.5 inch (H), with Power of at least 220 V; 50/60hz; 400W. Temperature Range: Ambient $\pm 5^{\circ}\text{C}$ to 60°C , Accuracy (LED): $\pm 0.1^{\circ}\text{C}$ at 37°C , Increment: 0.1°C , Control: Microprocessor digital PID control. CO2 Range: 0% to 20%, Accuracy (LED): $\pm 0.1\%$ at 5% at 37°C , Increment: 0.1%, Control: Microprocessor, Inlet pressure: 0.3 bar, include 20L CO2 Tank and with product presentation (On-Site Visit)	vaccine. A CO2 incubator will permit the researchers in the college to grow cell-lines crucial for vaccine research and virology.		
5	2 units	LIQUID NITROGEN TANK (35L, LOW PRESSURIZE, WITH CASTERS/GUN)	Liquid nitrogen tank with capacity of 35L, low pressurize, with casters/gun	Used to transport and store important biological samples such as DNA and blood samples. This will benefit greatly the research and instruction capability of CVMBS.	65,000.00	130,000.00
6	10 units	TRINOCULAR MICROSCOPE WITH CAMERA ATTACHMENT (USB)	Trinocular microscope with 4 objectives (Scanner, LPO, HPO, OIO), with Resolution (Live) at least 1920X1080 - Captured image should be 5 megapixels and above, Video Capture of at least HDMI: 1080p, 30fps to SD Card, USB 2.0: 1080p, 15fps to PC or Mac, Trinocular viewing head with sliding adjustable interpupillary distance, Double layer mechanical stage and coaxial coarse and fine focus knobs on both sides, NA1.25 Abbe condenser with iris diaphragm and filters, Variable intensity LED transmitted illumination and with product presentation (On-Site Visit)	used to take high-definition images of histopathological sections of tissues in order to upgrade the instruction capabilities of our teachers for online learning. By acquiring this equipment high-definition images will be made available to students for greater appreciation and detail of histopathological sections.	40,000.00	400,000.00
				TOTAL		2,580,000.00


*All items above must have at least one-year calibration and preventive maintenance services, at least 2-year warranty on parts and services, installation on-site by a Certified and Trained Service Engineer, training/ demonstration on-site by a Certified and Trained Applications Specialists at least 10 years in the business

Prepared by:


EMMANUEL D. MAGO
End-user

Noted/Certified Correct:


RENE B. BETONIO
TWG Chair, Medical, Dental and Laboratory Equipment


LANI S. RODIS
TWG Member, Medical, Dental and Laboratory Equipment