

Republic of the Philippines EASTERN VISAYAS STATE UNIVERSITY Tacloban City



BIDS AND AWARDS COMMITTEE

SUPPLEMENTAL/BID BULLETIN NO. 1

Date: October 16, 2024

Title: IB-2024-10-32 SUPPLY AND DELIVERY OF VARIOUS LABORATORY TOOLS

AND EQUIPMENT

Reference No.: 11297201

This bulletin is being issued to revise/clarify certain portions of the bidding documents. This shall form an integral part of the bidding document for the above-mentioned procurement project.

GENERAL QUERIES	AMMENDMENTS/ CLARIFICATIONS
I suggest that the Committee require an authorized distributor certificate issued by the manufacturer for the items under Lot 2.	Yes, the Authorized distributorship Certificate from the Manufacturer shall be required to be submitted and/or presented during the Post Qualification stage. Please see Annex "A" for the amended Bid Data Sheet.
Since there are pictures posted on PhilGEPS that display the brand, I suggest that the Committee require authorized trainers or personnel for the items in Lot 2.	Yes, the Authorized Trainer Certificate from the Manufacturer shall be required to be submitted and/or presented during the Post Qualification stage. Please see Annex "A" for the amended Bid Data Sheet.
There is a typo error in the I want to be clarified with the switching diode, is this 5000 pcs per set?	The required Switching Diode shall be 50PCS per set. Please see Annex "B" for the amended Technical Specifications.
I just want to be clarified about the online submission. Do we still need to submit manual copies if we opted for electronic bid submission. When will the date of submission be for electronic as well as for manual bids?	For online submission, electronic bids must be submitted on or before October 24, 2024, at 1:30 PM (BAC Secretariat time). Hard copies of the bid are still required for the Post Qualification, which will begin on October 29, 2024, at 2:00 PM.

All statements and formats referring to this clause should be amended/corrected accordingly.

For guidance and information of all concerned.

For further information, please refer to:

(SGD) VINCENT B. CABANTOC

Head, BAC Secretariat CP No. 0953-355-7046 - TM

Email Add: evsu.bacsecretariat@evsu.edu.ph

Noted:

(SGD) BENEDICTO T. MILITANTE, JR., Ph.D., J.D. Vice President for Administration & Finance Chairperson, Bids and Awards Committee



Bid Data Sheet

ITB Clause					
5.3	For this purpose, contracts similar to the Project shall be: a. SUPPLY AND DELIVERY OF VARIOUS LABORATORY To b. completed within two (2) years prior to the deadline for the second contracts.				
7.1	Subcontracting is not allowed.				
9	Prospective bidders may submit their written request for clarification on and/or interpretation of any part of the Bidding Documents, either to EVSU BAC Secretariat Office or through electronic mail at evsu.bacsecretariat@evsu.edu.ph not later than October 14, 2024 (5:00 PM). Clarifications made and submitted beyond the abovementioned date shall not be accepted and/or entertained further.				
14.1	The bid security shall be in the form of a Bid Securing Declaration amounts:	n, or any of the following forms and			
	FORMS OF BID SECURITY	AMOUNT OF BID SECURITY (EQUAL TO PERCENTAGE OF THE ABC)			
	Bid Securing Declaration; OR	NOTARIZED			
	Cash, Cashier's/ manager's check issued by a Universal or Commercial Bank; OR	Two Percent (2%)			
	Surety Bond (If security bond, attach the original copy of the official receipt of premium payment and certification issued by the Insurance Commission) Five Percent (5%)				
15.2	Each Bidder shall submit one (1) original and four (4) readable authe components of its bid. Documents to be submitted shall be properly title of the document attached for prompt identification: e.g., F (Platinum) – PhilGEPS For details in the preparation of sealed bids, please refer to the diagonal figure 1. Sealing of Bids (Illustration of bids with 1 original and 4 copies, each be component of the component of the diagonal financial component of the compone	r tabbed and labeled according to the PhilGEPS Certificate of Registration gram below:			

All envelopes shall:

- be addressed to the Procuring Entity's BAC;
- bear the name and address of the Bidder in capital letters;
- contain the name of the contract to be bid in capital letters;
- bear the specific identification of this bidding process indicated in the ITB Clause 1; and bear a warning "DO NOT OPEN BEFORE..." the date and time for the opening of bids, as specified in the IB.

TO : THE BIDS AND AWARDS COMMITTEE
EASTERN VISAYAS STATE UNIVERSITY

FROM :

(Name of Bidder in Capital Letters)

ADDRESS

BID REF. NO.

(Address of Bidder in Capital Letters)

(In Capital Letters, Indicate the Pharse):

"DO NOT OPEN BEFORE:

15.3 Guidelines for Electronic Submission of Bids:

- a) The Bidder must submit a soft copy of their bids through e-mail to evsu.bacsecretariat@evsu.edu.ph at any time before **October 24, 2024, 1:30 P.M**.
- b) In the online submission of bids, a two-folder system will be utilized. The first folder contains the requirements of the Technical Component checklist as presented under Section VIII and shall be labeled "TECHNICAL COMPONENT". The second folder contains the requirements of the Financial Component checklist and is marked "FINANCIAL COMPONENT".
- c) The documentary requirements shall be segregated and labelled according to the type of document for prompt identification (e.g., PhilGEPS Certificate of Registration (Platinum) labelled as PhilGEPS) and each shall be in Portable Document Format (PDF).
- d) Each folder shall be compressed in Zip, RAR or 7z format with password protection. Submitted bidding documents that are not in compressed archive format and are not password protected, will be automatically rejected.
- e) The password for accessing the file shall be disclosed by the Bidders during the bid opening which may be done in person or face-to-face through videoconferencing, webcasting, e-mail or similar technology.
- f) An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.
- g) For further information, please refer to:

VINCENT B. CABANTOC

Head, BAC Secretariat CP No. 0953-355-7046 - TM

Email Add: evsu.bacsecretariat@evsu.edu.ph

19.2 **Partial bid is allowed.** All Goods are grouped in items/lots listed below.

ITEM NO.	PARTICULARS	QTY	UNIT	TOTAL AMOUNT
1	PR NO. 05-0403-24 COE-ECE (ELECTRONIC LABORATORY EQUIPMENT)	1	Lot	92,024.00
2	PR NO. 09-0550-24 COE-ECE (ELECTRONIC LABORATORY EQUIPMENT)	1	Lot	880,000.00
3	PR NO. 09-0555-24 COE-CHE (CHEMICAL LABORATORY APPARATUS AND EQUIPMENT)	1	Lot	2,979,238.00
4	PR NO. 05-0428-24 CAS (HPLC ACCESSORIES AND SUPPLIES)	1	Lot	250,000.00
5	PR NO. 05-0422-24 CAS (CHEMISTRY LABORATORY TOOLS, GLASSWARES AND SUPPLIES)	1	Lot	602,335.00

19.5	The Net Financial Contracting Capacity (NFCC), which must be at least equal to the ABC to be bid, is calculated as follows:
	NFCC = [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started, coinciding with the contract to be bid.
<mark>20.1</mark>	Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income
20.1	

Technical Specifications

SUPPLY AND DELIVERY OF VARIOUS LABORATORY TOOLS AND EQUIPMENT				
ITEM NO.	DESCRIPTION			STATEMENT OF COMPLIANCE COMPLY/ NOT COMPLY
	PR NO. 05-0403-24 COE-ECE (ELECTRONIC LABORATORY EQUIPMENT)		
	DESCRIPTION WIRE STRIPPER, 0.8MM MIN, 2.6MM MAX, 155 MM CABLE TYPE SOLID	QTY	UNIT	
	WINCE STRIFF ER, C.OMMI MINA, 155 MINI GABLE THE GOLD	5	Pcs	
	THROUGH HOLE CERAMIC CAPACITOR KIT CAPACITANCE RANGE 100 PF> 4700PF	2	Kits	
1	- Quad 2-Input OR Logic Gate, 14-Pin PDIP (Tube of 25) - Quad 2-Input NOR Logic Gate, 14-Pin PDIP (Tube of 25) - Quad 2-Input NAND Logic Gate, 14-Pin PDIP (Tube of 25) - Quad 2-Input AND Logic Gate, 14-Pin PDIP (Tube of 25) - Quad 2-Input XOR Logic Gate, 14-Pin PDIP (Tube of 25) - Quad 2-Input XOR Logic Gate, 14-Pin PDIP (Tube of 25) - 74LS04N HEX INVERTER, 14-Pin PDIP (Tube of 25) - Switching Diode, 1A 600V, 2-Pin DO-41 1N4005-T (50PCS) LED Starter Kit LED Parts Kit	10	Sets	
	- Handheld Digital Multimeter 10A ac Max, 10A dc Max, 600V ac Max	5	Sets	

PR NO. 09-0550-24 COE-ECE (ELECTRONIC LABORATORY EQUIPMENT)		
DESCRIPTION BENCH TYPE PROGRAMMABLE POWER SUPPLY	QTY	UNIT
 Programmable DC power supply, 3 independently controlled and isolated outputs Two 32 V/3.2 A, one 2.5 V/3.3 V/5V/3.2Ax1, total 220 W 5-digit voltage/4-digit current display, minimum resolution: 1 mV/1 mA (SPD3303X) Timing function provides programmed output steps 4.3-inch true color TFT-LCD 480x272 display 3 types of output modes: Independent, series (60 V max), and parallel (6.4 A max) 	2	units
 frequency range: 150kHz ~ 3GHz Auto set function noise floor: ≧-100dBm RBW range: 30kHz, 100 kHz, 300kHz, 1MHz ACPR/ CHPW/ OCBW measurement 3 traces in different colors split window function Limit line function remote control software Presentation material for training courses Support interface: USB device/host, RS-232C 	2	Units
 dual-channel, with bandwidth up to 60 MHz, and amplitude up to 20 Vpp-150 MSa/s sampling rate, 14-bit vertical resolution, and 16 kpts waveform length innovative easy pulse technology, capable of generating lower-jitter pulse waveforms, brings a wide range and extreme high precision in pulse width and rise/fall time adjustment special circuit for square wave function, can generate square waves up to 60MHz with jitter less than 300ps+0.05 ppm of period- plenty of analog and digital modulation types: AM, DSB-AM, FM, PM, FSK, ASK, PSK and PWM- sweep and burst functions harmonics generator function- waveform combining function- high precision frequency counter- standard interfaces: USB host, USB device (USBTMC), LAN (VXI-11)-4.3" TFT-LCD display 	2	Units

UIPMENT) DESCRIP	TION	QTY	UNIT
 CTRIC BUNSEN WITH CONTROLL Conical shaped heating elemen Top cowl deflects heat away from the vented in the hold during operation Burner consumes less of power Recommended controller is the 2 neon indicators: "Power On" On" amber neon light. Regulator control knob can be to 	t directs radiant heat to the top cavity om your hand housing keeps the base cool enough MC5 white neon light & "Bunsen Heater turned clockwise to increase power. at the rear of each heating controller	1	Unit
Electric Bunsen Max Temp. Material Dimensions (d x h) Power Supply, Controller Inclusions: - 1 unit – MC5 Controller	Specifications 800°C Stainless Steel 120mm x 177mm 230V 50/60Hz, 480W		
equipped with stirring system of AISI 304 stainless steel, filtered water Screw feeding area flowmeter for the filter stainless steel with transpar process IP55 switchboard, coincluding synoptic diagram a 304 and AISI 316 stainless steep	tainless steel, with 100 I capacity, in driven by submersible pump Tank with 100 I capacity, to collect the pump with speed variator Variable red liquid Filter press of AISI 304 ent Plexiglas frames to display the omplying with EC conformity mark, and ELCBPiping and valves of AISI reel erer supply: 230 Vac 50 Hz single-ge and frequency on request)	1	Unit
h portable Turbidimeter			

3

PREVENTIVE MAINTENANCE (PM) KIT FOR HPLC PREVENTIVE MAINTENANCE (PM) KIT FOR HPLC Plunger seal (2pcs) Assy, Line Filter (5pcs) Needle Seal Assy (1pc) PREVENTIVE (2bottles) (2.5L each) HPLC GRADE SOLVENTS Acetonitrile (2bottles) (2.5L each) Trifluoracetic Acid (1 bottle) (2.5L each) DESCRIPTION MICROBIOLOGICAL INCUBATOR TECHNICAL SPECIFICATIONS Inner Dimension WXDXH Sipplies) DESCRIPTION MICROBIOLOGICAL INCUBATOR TECHNICAL SPECIFICATIONS Inner Dimension WXDXH Sipplies Single door, let's die opening Sensor Port Door Single door, let's die opening Sensor Port Douber Dimension WXDXH Alam, Thermal Rebay for Fan Motor, Lesage Bresker Shelves (Maximum Load) A pieces 158 (per piece) Duter Dimension WXDXH Trifluoracetic Acid (1 start) (2 fan Motor, Lesage Bresker Shelves (Maximum Load) A pieces 158 (per piece) Duter Dimension WXDXH Trifluoracetic Acid (1 start) (2 fan Motor, Lesage Bresker Shelves (Maximum Load) A pieces 158 (per piece) Duter Dimension WXDXH Trifluoracetic Acid (1 start) (2 far Art Without) Lesage Bresker Shelves (Maximum Load) A pieces 158 (per piece) Duter Dimension WXDXH Trifluoracetic Acid (2 far Art Without) Lesage Bresker Shelves (Maximum Load) A pieces 158 (per piece) Duter Dimension WXDXH Trifluoracetic Acid (2 far Art Without) Lesage Bresker Shelves (Maximum Load) A calcality of the Motor, Lesage Bresker Shelves (Maximum Load) A calcality of the Motor, Lesage Bresker Shelves (Maximum Load) A calcality of the Motor, Lesage Bresker Shelves (Maximum Load) A calcality of the Motor, Lesage Bresker Shelves (Maximum Load) A calcality of the Motor, Lesage Bresker Shelves (Maximum Load) A calcality of the Motor, Lesage Bresker Shelves (Maximum Load) A calcality of the Motor, Lesage Bresker Shelves (Maximum Load) A calcality of the Motor, Lesage Bresker Shelves (Maximum Load) A calcality of the Motor, Lesage Bresker Shelves (Maximum Load) A calcality of the Moto	PR NO. 05-0428-24 CAS	(HPLC ACCESSORIES AND SUPPLIES)		
- Inertsil ODS-3 (C18) 4.6 mm x 5cm x 250mm - (C18) 4.6, x 5mm x 150 mm - Guard Column - Nonsterile Nylon Syringe Filters, Pore: 0,45 (um), Housing Diameter 13 (mm), 100/pk - UPS (3kVa) PREVENTIVE MAINTENANCE (PM) KIT FOR HPLC - Plunger seal (2pcs) - Assy, Line Filter (1pc) - Element sus Filter (5pcs) - Needle Seal Assy (1pc) HPLC GRADE SOLVENTS - Acetonitrile (2bottles) (2.5L each) - Methanol (3bottles) (2.5L each) - Trifluoracetic Acid (1 bottle) (2.5L each) - Trifluoracetic Acid (1 bottle) (2.5L each) MICROBIOLOGICAL INCUBATOR TECHNICAL SPECIFICATIONS Inner Dimension WXDXH - 600 X 500 X 1200 mm Volume - Single door, left side opening - Circulating System - Vertical flow - Program Operation - Imemory, May 3 steps - Door - Single door, left side opening - Sensor Port - Overheat Prevention Device, - Independent Overheat - Prevention Device, -		DESCRIPTION	QTY	UNIT
Guard Column Nonsterile Nylon Syringe Filters, Pore: 0,45 (um), Housing Diameter 13 (mm), 100/pk UPS (skVa) PREVENTIVE MAINTENANCE (PM) KIT FOR HPLC Plunger seal (2pcs) Assy, Line Filter (1pc) Element sus Filter (5pcs) Needle Seal Assy (1pc) HPLC GRADE SOLVENTS Acetonitrile (2bottles) (2.5L each) Methanol (3bottles) (2.5L each) Trifluoracetic Acid (1 bottle) (2.5L each) Trifluoracetic Acid (1 bottle) (2.5L each) MICROBIOLOGICAL INCUBATOR TECHNICAL SPECIFICATIONS Inner Dimension WXDXH 600 X 500 X 1200 mm Volume Circulating System Vertical flow Program Operation I memory, Max 8 steps Door Single door, left side opening Circulating System Vertical flow Program Operation Sensor Port Sensor Po	HPLC COLUMN ACCES	SORIES		
- Assy, Line Filter (1pc) - Element sus Filter (5pcs) - Needle Seal Assy (1pc) - Acetonitrile (2bottles) (2.5L each) - Methanol (3bottles) (2.5L each) - Trifluoracetic Acid (1 bottle) (2.5L each) - Trifluoracetic Acid (1 bottle) (2.5L each) - Trifluoracetic Acid (1 bottle) (2.5L each) - Trifluoracetic Acid (1 bottle) (2.5L each) - Trifluoracetic Acid (1 bottle) (2.5L each) - Trifluoracetic Acid (1 bottle) (2.5L each) - DESCRIPTION MICROBIOLOGICAL INCUBATOR - TECHNICAL SPECIFICATIONS - Inner Dimension WXDXH - Molume - Sool Iters - Overheat Prevention Device, Independent Overheat - Prevention Device, Sensor Port - Overheat Prevention Device, Independent Overheat - Prevention Device, Sensor/Heater Disconnection - Alarm, - Thermal Relay for Fan Motor, Leakage Breaker - Shelves (Maximum Load) - Outer Dimension WXDXH - Weight - Till 8 kg - Temperature Range - Room Temp+5°C-100°C - Temperature Bange - Room Temp+5°C-100°C - Temperature Distribution - ± 1.5°C (at 37°C & 70°C) - Accuracy	- (C18) 4.6, x 5mm - Guard Column - Nonsterile Nylon Diameter 13 (mm - UPS (3kVa)	Syringe Filters, Pore: 0,45 (um), Housing h), 100/pk		
- Acetonitrile (2bottles) (2.5L each) - Methanol (3bottles) (2.5L each) - Trifluoracetic Acid (1 bottle) (2.5L each) PR NO. 05-0422-24 CAS (CHEMISTRY LABORATORY TOOLS, GLASSWARES AND SUPPLIES) DESCRIPTION MICROBIOLOGICAL INCUBATOR TECHNICAL SPECIFICATIONS Inner Dimension WXDXH Volume Circulating System Vertical flow Program Operation I memory, Max 8 steps Door Single door, left side opening Sensor Port Ø23mm X 1 Front left side Overheat Prevention Device, Independent Overheat Prevention Device, Safety Devices Sensor/Heater Disconnection Alarm, Thermal Relay for Fan Motor, Leakage Breaker Shelves (Maximum Load) Junit Alarm, Thermal Relay for Fan Motor, Leakage Breaker Shelves (Maximum Load) Outer Dimension WXDXH 118 kg Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy	- Assy, Line Filter (- Element sus Filte (5pcs)	(1pc) er	1	Lot
- Methanol (3bottles) (2.5L each) - Trifluoracetic Acid (1 bottle) (2.5L each) PR NO. 05-0422-24 CAS (CHEMISTRY LABORATORY TOOLS, GLASSWARES AND SUPPLIES) DESCRIPTION MICROBIOLOGICAL INCUBATOR TECHNICAL SPECIFICATIONS Inner Dimension WXDXH	HPLC GRADE SOLVEN	TS		
DESCRIPTION QTY UNIT	- Methanol (3bottle	es) (2.5L each)		
DESCRIPTION QTY UNIT		Thomas And		
DESCRIPTION QTY UNIT		(CHEMISTRY LABORATORY TOOLS, GLASS)	WARES AN	ND
MICROBIOLOGICAL INCUBATOR TECHNICAL SPECIFICATIONS Inner Dimension WXDXH Volume Circulating System Program Operation Sensor Port Overheat Prevention Device, Independent Overheat Prevention Device, Independent Overheat Prevention Device, Sensor/Heater Disconnection Alarm, Thermal Relay for Fan Motor, Leakage Breaker Shelves (Maximum Load) Outer Dimension WXDXH Weight Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy Accuracy Room X 1 Front left side Overheat Prevention Device, Independent Overheat Prevention Device, Sensor/Heater Disconnection Alarm, Thermal Relay for Fan Motor, Leakage Breaker Shelves (Maximum Load) 4 pieces (15kg per piece) Outer Dimension WXDXH Weight Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy	OUT LILO)	DESCRIPTION	QTY	UNIT
Inner Dimension WXDXH Volume Circulating System Program Operation Single door, left side opening Sensor Port Q23mm X 1 Front left side Overheat Prevention Device, Independent Overheat Prevention Device, Sensor/Heater Disconnection Alarm, Thermal Relay for Fan Motor, Leakage Breaker Shelves (Maximum Load)	MICROBIOLOGICAL INC			
Inner Dimension WXDXH Volume Circulating System Program Operation Single door, left side opening Sensor Port Q23mm X 1 Front left side Overheat Prevention Device, Independent Overheat Prevention Device, Sensor/Heater Disconnection Alarm, Thermal Relay for Fan Motor, Leakage Breaker Shelves (Maximum Load)	TECHNICAL	SPECIEICATIONS		
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Program Operation 1 memory, Max 8 steps Single door, left side opening Sensor Port 0 23mm X 1 Front left side Overheat Prevention Device, Independent Overheat Prevention Device, Sensor/Heater Disconnection Alarm, Thermal Relay for Fan Motor, Leakage Breaker Shelves (Maximum Load) 4 pieces (15kg per piece) Outer Dimension WXDXH Veight Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy 1 Unit 1 Unit 1 Accuracy		360 liters		
Sensor Port Single door, left side opening Ø23mm X 1 Front left side Overheat Prevention Device, Independent Overheat Prevention Device, Sensor/Heater Disconnection Alarm, Thermal Relay for Fan Motor, Leakage Breaker Shelves (Maximum Load) 4 pieces (15kg per piece) Outer Dimension WXDXH Weight 118 kg Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy Accuracy Label Single door, left side opening Ø23mm X 1 Front left side Overheat Prevention Device, Independent Overheat Prevention Device Independent Overheat	Circulating System	Vertical flow		
Sensor Port Ø23mm X 1 Front left side Overheat Prevention Device, Independent Overheat Prevention Device, Sensor/Heater Disconnection Alarm, Thermal Relay for Fan Motor, Leakage Breaker Shelves (Maximum Load) 4 pieces (15kg per piece) Outer Dimension WXDXH Veight 118 kg Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy Accuracy Accuracy Temperature Pistribution Accuracy Diverbeat Prevention Device, Independent Overheat Indepe	Program Operation			
Overheat Prevention Device, Independent Overheat Prevention Device, Sensor/Heater Disconnection Alarm, Thermal Relay for Fan Motor, Leakage Breaker Shelves (Maximum Load) 4 pieces (15kg per piece) Outer Dimension WXDXH Weight Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy 1 Unit 1 Unit 1 Alarm, Thermal Relay for Fan Motor, Leakage Breaker 5 A pieces (15kg per piece) 710 X 680 X 1730 mm 118 kg Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy				
Independent Overheat Prevention Device, Sensor/Heater Disconnection Alarm, Thermal Relay for Fan Motor, Leakage Breaker Shelves (Maximum Load) 4 pieces (15kg per piece) Outer Dimension WXDXH Weight Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy Independent Overheat Prevention Device, Sensor/Heater Disconnection Alarm, Thermal Relay for Fan Motor, Leakage Breaker 710 X 680 X 1730 mm 118 kg Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy	Sensor Port	Ø23mm X 1 Front left side		
Leakage Breaker Shelves (Maximum Load) 4 pieces (15kg per piece) Outer Dimension WXDXH 710 X 680 X 1730 mm Weight 118 kg Temperature Range Room Temp +5°C - 100°C Temperature Distribution ± 1.5°C (at 37°C & 70°C) Accuracy	Safety Devices	Independent Overheat Prevention Device, Sensor/Heater Disconnection	1 Unit	
Shelves (Maximum Load) Outer Dimension WXDXH Weight Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy 4 pieces (15kg per piece) 710 X 680 X 1730 mm 118 kg Room Temp +5°C - 100°C		Thermal Relay for Fan Motor,		
Outer Dimension WXDXH Weight Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy 710 X 680 X 1730 mm 118 kg Room Temp +5°C - 100°C ± 1.5°C (at 37°C & 70°C)				
Weight Temperature Range Room Temp +5°C - 100°C Temperature Distribution Accuracy 118 kg Room Temp +5°C - 100°C ± 1.5°C (at 37°C & 70°C)	Shelves (Maximum Load)			
Temperature Range Room Temp +5°C - 100°C Temperature Distribution ± 1.5°C (at 37°C & 70°C) Accuracy	Outer Dimension WXDXH			
Temperature Distribution ± 1.5°C (at 37°C & 70°C) Accuracy	Weight			
Accuracy	Temperature Range			
		± 1.5°C (at 37°C & 70°C)		
1 1		AC 220/230/240V, 50/60 Hz		
Current 5A				

- Material: High-quality borosilicate glass - Design: Flat bottom, with without graduation mark Compatibility: Suitable for use with common laboratory equipment such as centrifuges and spectrophotometers. SCREW-CAP TEST TUBE, 10ML		•		
- Compatibility: Suitable for use with common laboratory equipment such as centrifuges and spectrophotometers. SCREW-CAP TEST TUBE, 10ML - Material: High-quality borosilicate glass - Design: Round bottom, without graduation marks and featuring precise screw caps to ensure a tight seal and prevent sample leakage Compatibility: Suitable for use with common laboratory equipment such as centrifuges and spectrophotometers. MICROCENTRIFUGE TUBE, 1.5ML - Material: Polypropylene construction for chemical resistance and durability Closure: Secure screw cap or snap cap to prevent sample leakage during centrifugation Compatibility: Compatible with microcentrifuges and thermal cyclers for PCR applications Graduation Marks: Clear and accurate volume markings for precise sample measurement Sterility: DNAse or RNAse free PCR TUBES, 0.2 ML - Material: High-quality polypropylene for thermal stability and compatibility with PCR cycling Closure: Tight-fitting, flat caps to prevent sample evaporation and contamination Optics: Clear tubes for optical detection of PCR products, suitable for real-time PCR Compatibility: Designed to fit standard PCR thermal cyclers and heat blocks Sterility: DNAse or RNAse free MICROCENTRIFUGE RACK - Material: Durable plastic for stability and longevity. Molded in				
- Material: High-quality borosilicate glass - Design: Round bottom, without graduation marks and featuring precise screw caps to ensure a tight seal and prevent sample leakage Compatibility: Suitable for use with common laboratory equipment such as centrifuges and spectrophotometers. MICROCENTRIFUGE TUBE, 1.5ML - Material: Polypropylene construction for chemical resistance and durability Closure: Secure screw cap or snap cap to prevent sample leakage during centrifugation Compatibility: Compatible with microcentrifuges and thermal cyclers for PCR applications Graduation Marks: Clear and accurate volume markings for precise sample measurement Sterility: DNAse or RNAse free PCR TUBES, 0.2 ML - Material: High-quality polypropylene for thermal stability and compatibility with PCR cycling Closure: Tight-fitting, flat caps to prevent sample evaporation and contamination Optics: Clear tubes for optical detection of PCR products, suitable for real-time PCR Compatibility: Designed to fit standard PCR thermal cyclers and heat blocks Sterility: DNAse or RNAse free MICROCENTRIFUGE RACK - Material: Durable plastic for stability and longevity. Molded in	- Compatibility: Suitable for use with common laboratory equipment such as centrifuges and	50	Pcs	
- Material: High-quality borosilicate glass - Design: Round bottom, without graduation marks and featuring precise screw caps to ensure a tight seal and prevent sample leakage Compatibility: Suitable for use with common laboratory equipment such as centrifuges and spectrophotometers. MICROCENTRIFUGE TUBE, 1.5ML - Material: Polypropylene construction for chemical resistance and durability Closure: Secure screw cap or snap cap to prevent sample leakage during centrifugation Compatibility: Compatible with microcentrifuges and thermal cyclers for PCR applications Graduation Marks: Clear and accurate volume markings for precise sample measurement Sterility: DNAse or RNAse free PCR TUBES, 0.2 ML - Material: High-quality polypropylene for thermal stability and compatibility with PCR cycling Closure: Tight-fitting, flat caps to prevent sample evaporation and contamination Optics: Clear tubes for optical detection of PCR products, suitable for real-time PCR Compatibility: Designed to fit standard PCR thermal cyclers and heat blocks Sterility: DNAse or RNAse free MICROCENTRIFUGE RACK - Material: Durable plastic for stability and longevity. Molded in	SCREW-CAP TEST TUBE, 10ML			
prevent sample leakage. Compatibility: Suitable for use with common laboratory equipment such as centrifuges and spectrophotometers. MICROCENTRIFUGE TUBE, 1.5ML Material: Polypropylene construction for chemical resistance and durability. Closure: Secure screw cap or snap cap to prevent sample leakage during centrifugation. Compatibility: Compatible with microcentrifuges and thermal cyclers for PCR applications. Graduation Marks: Clear and accurate volume markings for precise sample measurement. Sterility: DNAse or RNAse free PCR TUBES, 0.2 ML Material: High-quality polypropylene for thermal stability and compatibility with PCR cycling. Closure: Tight-fitting, flat caps to prevent sample evaporation and contamination. Optics: Clear tubes for optical detection of PCR products, suitable for real-time PCR. Compatibility: Designed to fit standard PCR thermal cyclers and heat blocks. Sterility: DNAse or RNAse free MICROCENTRIFUGE RACK Microcentrale Durable plastic for stability and longevity. Molded in	 Material: High-quality borosilicate glass Design: Round bottom, without graduation marks and 	50	ncs	
- Material: Polypropylene construction for chemical resistance and durability Closure: Secure screw cap or snap cap to prevent sample leakage during centrifugation Compatibility: Compatible with microcentrifuges and thermal cyclers for PCR applications Graduation Marks: Clear and accurate volume markings for precise sample measurement Sterility: DNAse or RNAse free PCR TUBES, 0.2 ML - Material: High-quality polypropylene for thermal stability and compatibility with PCR cycling Closure: Tight-fitting, flat caps to prevent sample evaporation and contamination Optics: Clear tubes for optical detection of PCR products, suitable for real-time PCR Compatibility: Designed to fit standard PCR thermal cyclers and heat blocks Sterility: DNAse or RNAse free MICROCENTRIFUGE RACK - Material: Durable plastic for stability and longevity. Molded in	- Compatibility: Suitable for use with common laboratory equipment such as centrifuges and		poo	
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thermal stability and compatibility with PCR cycling. - Closure: Tight-fitting, flat caps to prevent sample evaporation and contamination. - Optics: Clear tubes for optical detection of PCR products, suitable for real-time PCR. - Compatibility: Designed to fit standard PCR thermal cyclers and heat blocks. - Sterility: DNAse or RNAse free MICROCENTRIFUGE RACK - Material: Durable plastic for stability and longevity. Molded in	PCR TUBES, 0.2 ML			
- Optics: Clear tubes for optical detection of PCR products, suitable for real-time PCR Compatibility: Designed to fit standard PCR thermal cyclers and heat blocks Sterility: DNAse or RNAse free MICROCENTRIFUGE RACK - Material: Durable plastic for stability and longevity. Molded in	thermal stability and compatibility with PCR cycling. - Closure: Tight-fitting, flat caps to prevent			
heat blocks Sterility: DNAse or RNAse free MICROCENTRIFUGE RACK - Material: Durable plastic for stability and longevity. Molded in	 Optics: Clear tubes for optical detection of PCR products, suitable for real-time PCR. 	1	Box	
- Material: Durable plastic for stability and longevity. Molded in	heat blocks.			
stability and longevity. Molded in	MICROCENTRIFUGE RACK			
for transport. Matte side panel accepts tape or direct labeling	stability and longevity. Molded in handles provide a secure grip for transport. Matte side panel			
- Capacity: Configured to accommodate multiple microcentrifuge tubes in standard 80-hole format 2 Box	- Capacity: Configured to accommodate multiple microcentrifuge tubes in	2	Box	
- Design: Modular or stackable design for space-saving storage and convenient use.	 Design: Modular or stackable design for space-saving storage and convenient use. 			
 Compatibility: Compatible with standard microcentrifuge tubes and PCR tubes. Size: 22.7 x 6.7 x 2.7cm (8-15/16 x 2-5/8 x 1-1/16") 	PCR tubes.			
- Laboratory conditions: Can be used for freezer storage down to -				

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PCR TUBE RACK			
 Capacity: Configured to accommodate multiple PCR tubes in standard 96-well format Material: Heat-resistant plastic or polypropylene construction for compatibility with thermal cyclers. Lid: Transparent or opaque lid for protection against contamination and sample loss. Grid Configuration: Clearly marked grid layout for easy sample identification and handling. Laboratory conditions: Can be used for freezer storage down to 80°C (-112°F) and autoclavable at 121°C (250°F) Sterility: RNAse or DNAse-free. 	2	Box	
ERLENMEYER FLASK, 1000 ML			
 Material: High-quality borosilicate glass for chemical resistance and thermal stability. Neck Design: Narrow neck with a standard or wide-mouth opening for easy pouring and sampling. Graduation Marks: Clearly marked volume graduations for accurate measurement of liquid volumes. Compatibility: Suitable for use with various laboratory equipment such as shakers and stirrers. Sterilization: Autoclavable for convenient sterilization and reuse in microbiological applications. ERLENMEYER FLASK, 500 ML	20	Pcs	
 Material: High-quality borosilicate glass for chemical resistance and thermal stability. Neck Design: Narrow neck with a standard or wide-mouth opening for easy pouring and sampling. Graduation Marks: Clearly marked volume graduations for accurate measurement of liquid volumes. Compatibility: Suitable for use with various laboratory equipment such as shakers and stirrers. Sterilization: Autoclavable for convenient sterilization and reuse in microbiological applications. 	20	Pcs	
ERLENMEYER FLASK, 250 ML			
 Material: High-quality borosilicate glass for chemical resistance and thermal stability. Neck Design: Narrow neck with a standard or wide-mouth opening for easy pouring and sampling. Graduation Marks: Clearly marked volume graduations for accurate measurement of liquid volumes. Compatibility: Suitable for use with various laboratory equipment such as shakers and stirrers. Sterilization: Autoclavable for convenient sterilization and reuse in microbiological applications. 	20	pcs	

ERLENMEYER FLASK, 100 ML Material: High-quality borosilicate glass for chemical resistance and thermal stability. Neck Design: Narrow neck with a standard or wide-mouth opening for easy pouring and sampling. Graduation Marks: Clearly marked volume graduations for accurate measurement of -100 20 Pcs liquid volumes. 100 ml \$ Compatibility: Suitable for use with various laboratory equipment such as shakers and stirrers. Sterilization: Autoclavable for convenient sterilization and reuse in microbiological

(Name of Bidder/Company)	
(Signature Over Printed Name of	Authorized Representative)
(Designation)	_
(Date)	-

applications.