

QUOTATION NOTICE**DEPARTMENT OF ZOOLOGY, UNIVERSITY OF KERALA**

Competitive Sealed quotations are invited for the purchase of Micropipette, Western Blotter, and BOD INCUBATOR with the specifications detailed below. Sealed quotations should be addressed to Professor and Head, Department of Zoology, University of Kerala, Kariavattom campus, Thiruvananthapuram-695581 and should reach on or before 30.10.2023, 04:00 PM.

1. Micropipette-(1 Nos)

Sl. No.	Specification	Description
1	Type	Single channel adjustable pipette
2	Application	Molecular biology, microbiology, immunology, cell culture, analytical chemistry, biochemistry and genetics
3	Mode of Operation	Mechanical
4	Features	<ul style="list-style-type: none"> • Should have better protection against physical and chemical corrosion. • Should be friendly for both right- and left-hand users. • Volume display should always visible while pipetting.
5	Volume range	<ul style="list-style-type: none"> • 0.2 μl – 2 μl • 2 μl- 20 μl • 20 μl- 200 μl • 100 μl- 1000μl
6	Accessories	<ul style="list-style-type: none"> • Shelf mounting stand • Pipette filler • Pipette controller
7	Service and Protection	<ul style="list-style-type: none"> • 1 years Warranty from the date of supply

2. Western Blotter with power pack (1 Nos)

Sl. No.	Specification	Description
1	Gel capacity	1-4 gels
2	Number of gel holders	2 -5
3	Buffer requirement	1-1.5 L
4	Electrode distance	4-5 cm
5	Electrode materials	Platinum-coated titanium anode with stainless-steel cathode plates or platinum wire
6	Transfer time - Wire electrodes	Standard: 60 min to overnight
7	Transfer time- Plate electrodes	Standard: 30 min to overnight
8	Cooling	Sealed ice block or blotter cooling unit
9	Power Supplies	<ul style="list-style-type: none"> • Should capable of driving all transfer cells to their maximum performance • Highly regulated voltage settings • Fine adjustment of current limits • A convenient pause function
10	Power Pacrequirements	5-250 V, 0.01-3.0 A, 1-300 W
11	Safety features	<ul style="list-style-type: none"> • Overload/short circuit detection • Automatic crossover • Arc and ground leak detection • Programmable multi-step methods • Programmable timer
12	Accessories	<ul style="list-style-type: none"> • Cooling Unit • Gel holder cassette and foam pads • Assembly tray with roller • blotting filter paper
13	Service and protection	<ul style="list-style-type: none"> • 3 years Warranty from the date of installation • Five years Comprehensive AMC • Nearest Service station in South India, preferably in Kerala • Performance certificate with two phone number • Relevant supporting documents have to be submitted • Data sheet should be submitted.

3. BOD INCUBATOR(1 Nos)

SL NO	Specifications	Description
1	Function	Provides the required temperature for the growth of organisms
2	Material	Stainless steel
3	Construction	Double-walled with Insulation
4	Exterior door	Solid door with locking option
5	Inner door	Glassdoor to view samples
6	Tray	Removable trays; 2- 7
7	Interior illumination	Fluorescent/ LED light
8	Heating element	Tubular heaters
9	Refrigeration system	CFC free
10	Air circulation	Motor blower/ Fan
11	Temperature <ul style="list-style-type: none"> • Range • Accuracy • Uniformity • Sensor • Controller 	<ul style="list-style-type: none"> • 5°C-60°C • $\pm 0.5^{\circ}\text{C}$ • $\pm 1^{\circ}\text{C}$ • PT-100 • PID temperature controller • LED display of SV and PV
12	Power supply	220-230 V, 50-60 Hz
13	Capacity	150L- 250L
14	Safety	Temperature High / Low alarm
15	Display	Digital
16	Plug type	Type D/M
17	Accessories	<ul style="list-style-type: none"> • Bottle snap cap, flask brush, low-pressure pumps
18	Installation	<ul style="list-style-type: none"> • Installation and training should be given by an expert technician of the company

***General Terms and Conditions:**

- Nearest Service station- In Kerala, preferably in Thiruvananthapuram
- A performance certificate with two phone numbers should be submitted (from an authorized govt. institute)
- Relevant supporting documents and Datasheet should be submitted
- Warranty 3 years from the date of installation




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