



DEPARTMENT OF BIOCHEMISTRY

(DST-FIST Sponsored Department)
UNIVERSITY OF KERALA



(Established as University of Travancore by the Travancore University act in 1937 and reconstituted as University of Kerala by the Kerala University act of 1957 and presently governed by the Kerala University act of 1974 passed by the Kerala state Legislative Assembly)

(Re – accredited by NAAC with ‘A++’ Grade)

KARIAVATTOM
THIRUVANANTHAPURAM – 695581

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Ref: BCH/M.Sc lab1/2026-27

22-10-2026

QUOTATION NOTICE

Sealed quotations are invited for the purchase of **Electronic Top-Loading Balance (1 No.)**

Technical Specifications

Sl. No.	Parameter	Minimum Technical Requirement
1	Type	Electronic top-loading balance
2	Maximum weighing capacity	220 g or higher
3	Readability	0.001 g (1 mg)
4	Repeatability	≤ 0.001 g
5	Linearity	± 0.002 g
6	Response time	Approximately 1–1.5 seconds, or the closest available specification supported by the manufacturer
7	Operational efficiency	Fast stabilisation and response to facilitate operator comfort and efficient routine weighing
8	Environmental stability	Equipped with appropriate compensation and stabilisation features to maintain reliable weighing performance under normal laboratory environmental variations, within the manufacturer's specified operating limits
9	Power supply to	12 V DC

	balance	
10	AC power adapter input	90–264 V AC, 50/60 Hz
11	Display	LCD display
12	Analog bar graph	Integrated analog-style bar graph display or equivalent graphical indication of the weighing range
13	Weighing pan	Preferably square-shaped, approximately 100 × 100 mm
14	Operating ambient temperature	5–40 °C, or a wider range
15	Temperature coefficient of sensitivity	± 3 ppm/°C or better
16	Windbreak / protective cover	Suitable windbreak and protective cover to minimise disturbances during weighing
17	Unit conversion	Provision for switching between commonly used weighing units, including grams and milligrams, or equivalent selectable units
18	Dimensions	Compact benchtop design suitable for routine laboratory use; manufacturer to specify overall dimensions
19	Operation	Simple, user-friendly operation with essential weighing functions, tare and zero controls
20	Accessories	Compatible power adapter and all standard accessories required for installation and operation
21	Warranty	3 years (comprehensive)

Conditions

- 1. The rate quoted should be inclusive of all charges such as packing, forwarding, freight, loading/unloading/handling or any other charges.**
- 2. Compliance Statement should be submitted separately that includes all parameters including Make of the quoted item.**
- 3. Complaints if any with the items supplied should be rectified/replaced to the satisfaction of the University by the suppliers at their own cost.**
- 4. Payment will be made only after the supply of the item at the proposed site.**
- 5. The undersigned reserves the right to accept/reject any quotation without assigning any reason.**

The sealed tenders may be submitted to Head, Department of Biochemistry, University of Kerala, Kariavattom Campus, Thiruvananthapuram, Kerala 695 581. The tenders should have superscription on the envelope “Quotations for **Electronic Top-Loading Balance**”. The tenders should reach not later than 11.00 PM on 16/11/2026. Quotations will be opened on 17/11/2026.

Sd/-

Head

Department of Biochemistry

University of Kerala

(In letter head of the firm)

COMPLIANCE SHEET

Name of equipment:

Model:

Make:

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Add signature and seal			