

Dry Block Heating and Cooling Shaker

1. The unit should be user-friendly and flexible in its programmability for heating or cooling with Digital display of all parameters including actual and set temperature
2. The thermoblocks for different types of tubes should be available, supplied with the unit and simply and quickly exchanged, to adapt the unit to daily and/or changing requirements in the laboratory.
3. There should be freely selectable program sequences with incubating, mixing and rest phases, as well as subsequent cooling.
4. It should be able to accommodate 24 micro test tubes for 0.5, 1.5, and 2.0 mL volumes, as well as 96-well or other microplates.
5. It should automatically recognize the Thermoblocks and display its parameters.
6. It should have digitally adjustable mixing speed for gentle to vigorous shaking with speed ranging from 300 to 1,500 rpm orbital speed at Mixing Stroke of at least 3 mm.
7. It should also have a Short-mix function, that is ideal for quick "vortex" applications
8. It should have a Temperature range from 20°C below room temperature up to 100°C
9. It should have a heating rate: approx. 5°C/minute and should attain the set temperature in 5 to 8 minutes.
10. Temperature Accuracy should be
 - a. At 20°C to 45°C, $\pm 0.5^\circ\text{C}$;
 - b. below ambient and above 45 °C, $\pm 2^\circ\text{C}$
11. Timer range should be from 1 minute to 99 hours 59 minutes (programmable with alarm at the end-point) and it should also have a continuous mode
12. Autoclavable and freezer-safe numbered blocks
13. Its dimension should not be more than 25 x 25 x 25 cm
14. Appropriate cords and power plugs for operating the instrument at 200-250 volts/3750W/15A
15. Features in the quotations should be substantiated with proper Principal Company Catalogue.
16. Should operate under a Quality Management System which complies with the requirements of ISO 9001:2008 for design, manufacture and services.
17. Copies of all certifications e.g. Quality Standard certificate, Propriety Item/parts, Patent of parts/ technology, Principal company/Authorised Distributorship should be attached with the quotations.
18. In-House Service Engineers from principal company/ or authorised agents should be available on one-day notice basis in case of emergency.
19. Only Principal Companies or Authorized Distributors from Principal companies should quote. Quotations from non - authorized distributors will not be entertained.
20. Compliance sheet should be attached along with the quotation. Compliant points should be highlighted in the company catalogue. Compliant points should be given (in the sheet) in order of the specifications' serial order.

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Terms & Conditions:

- The quotations should be submitted to the Professor & Head, Department of Anatomy, Room No. 1010, AIIMS, New Delhi-29 and sent by post/per bearer by 7th October, 2016 up to 12.00 P.M. Quotation should be sealed in an envelope and the "name of the item" clearly written on top of the envelop.
- The make of the article offered should invariably be quoted. Quotation should be typed written in ink. All overwriting and erased entries will be deleted from the quotation. The rates should be valid for at least THREE MONTHS.
- VAT/Sales tax or any other kind of tax(s) must be separately mentioned against each item. In case no sales tax is chargeable, prices must be quoted as NET.
- **Warranty/Guarantee:** two years followed by three years CMC comprehensive warranty.
- **Installation:** The firm install the equipment on the site, free of cost
- The firm should be able to give demonstration of the item if required within 5 days of requisition.
- The firm must supply the item within 20 days after confirmation of order.
- **The successful bidder has to submit performances bank guarantee of 10% of the order value valid upto warranty period.**
- The payment will be made electronically viz RTGS/NEFT against delivery and satisfactory installation of the item. The following information should be also mentioned in the quotation.
- Name of the beneficiary:
- Account No. of the beneficiary:
- IFCS code of the bank/branch:
- The quantity can be increased or decreased to any extent depending upon the actual requirement.
- The Professor & Head of the Department reserves the right to cancel/reject full or any part of the rate enquiry which generally do not fulfil the conditions stipulated in the rate enquiry.
- Payment will be made after receiving the items in good condition and satisfactory installation.
- No extra transportation charge will be given to the firm.
- The firm must supply the items within the date mentioned on the supply order copy.

Thanking you

Renu Dhingra

(Dr. Renu Dhingra)

Professor

Computer facility: With request for uploading the same in AIIMS websites for the period of 15 Days.

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