

**NATIONAL INSTITUTE OF MENTAL HEALTH AND NEUROSCIENCES
(Institute of National Importance)-Bengaluru-560029**

Ph No.26995024/23/25 /26995780

Email: aaos@nimhans.ac.in

STR-D1/EQPT/LIM.TENDERENQUIRY/314/HG/Thermal Cyclers/2019-20

Date:24.08.2019

Dear Sir,

Subject: Quotation for the supply Thermal Cyclers

With reference to subject cited above, kindly make arrangements to send your Quotation/ Proforma Invoice in a sealed cover to the undersigned for the supply of the following items as detailed below on or before **24.09.2019 (before 04:00 P:M)** positively by **post/ courier/Hand**. Quotation sent by Fax will not be accepted. Please enclose the copies of your Tin Number, Pan Number and GST number.

SI No.	Item Description	Quantity
1	THERMAL CYCLER	01 No
	Downloading of Tender documents from website	www.nimhans.ac.in
	Quotation submission last date	24.09.2019 before 04:00 PM

Note:

1. Sealed quotation in **Two Bid System(Technical Bid and Financial Bid in separate covers)** has to be submitted only by manufacturer of the articles or the authorized local supplier of the manufacturer. Copy of authorization letter and related documents to be enclosed with the quotation.
2. Quantity of items may be increased/decreased as per requirement
3. Item wise price, taxes, any surcharges (such as transportation, installation, customs duty, etc.), grand total, warranty, delivery period, contact person details (such as Mobile No., E-mail, local supplier address) should be clearly mentioned and the price mentioned should be till door delivery price.
4. Price quoted, should be valid for **1 year**.
5. Mention our Reference No. and due date on envelope cover.
6. Payment terms: **No advance payment will be made**. Payment will be released only after successful supply in all formats and handing over the Equipment/consumables (whichever applicable) to the End-user.
7. Enclose the copies mandatorily of your GST Number & PAN Number, Vendor Mandate Form(Bank Details)along with a cancelled cheque, without these your quotation will be rejected
8. **Mention the warranty period and delivery period of the item and Technical Compliance Sheet**
9. Quotation must be submitted along with relevant documents counter signed along with seal by the bidder (if applicable such as authorization certificates, Technical Compliance Sheet, Item supplied list of Institutes/Hospitals, catalogues etc.). **If not submitted quotation will be treated as incomplete and may be rejected.**
10. If the purchase of article is approved by the Institute, the article should be supplied/installed within the delivery period quoted or Purchase Order due date else penalty will be levied as per Institute rules.
11. Sealed quotation shall be addressed to **SPECIAL OFFICER(E),PURCHASE SECTION, NIMHANS, HOSUR ROAD, BENGALURU – 560 029**
12. Quotation received after last date and time will not be considered under any circumstances.
13. However, the Institute reserves the right to accept or reject any/all quotations without assigning any reason whatsoever.
14. **For Contact Dr.Gautham Arunachal,Assistant Professor,Dept.of Human Genetics,0802699-5722,9597023525**
15. **If applicable the Bank Guarantee should be executed for 10% of the Purchase Order value and Agreement to be executed on Rs 200/- stamp paper at the time of Purchase order.**

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SPECIFICATIONS:

1. Universal Block for 96 x 0.2ml PCR Tube, 71 x 0.5 ml PCR Tube, One 8x12 PCR plate
2. **Gradient PCR, capable of testing 12 different temperatures simultaneously across a gradient range of 1 - 20° C**
3. **SteadySlope Gradient Technology ensures ramp rates are identical in both gradient and normal operation**
4. **Heating and cooling via peltier technology. Patented Triple Circuit Technology, ensures precise control of temperature**
5. Temperature control range: from 4 °C to 99°C
6. Temperature Control Mode: Fast, Standard and Safe
7. Lid Temperature range: 37 - 110 °C
8. **Block Temperature Accuracy: $\pm 0.2^{\circ}\text{C}$**
9. Block Homogeneity: 20° C to 72° C: $\leq \pm 0.3^{\circ}\text{C}$, 95° C: $\leq \pm 0.4^{\circ}\text{C}$
10. **Temperature control speed: approx. 3 °C/s (heating)**
11. **Temperature control speed: approx. 2 °C/s (cooling)**
12. **Lid descent and closing pressure - Flexlid technology with Thermal sample Protection**
13. **Intuitive Graphic programming with larger display**
14. Administrator and user login with or without PIN for enhanced security
15. Booking schedule allows users to reserve the instrument in advance
16. **Preprogrammed template for easy selection from 16 temperature protocols viz. 2 step PCR, 3 Step PCR, Gradient PCR, Long Range PCR, Low volume PCR, RT, RT-PCR, Incubation, Cycle sequencing, Touch down PCR, Hot Start PCR, Hot Start PCR manual, Large volume PCR, Nested cycles, reduced ramping, simulate Mastercycler.**
17. Time or Temperature increment with cycles in PCR program
18. Adjustable ramp rate from 0.1° C to 3.0° C to meet critical amplification conditions
19. Customized programming allows a maximum of 20 steps and 99 cycles
20. Auto Restart facility with user defined time interval when power fails and resumes
21. **System memory of more than 100 User folders and more than 700 programs**

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- 22. Two USB ports: for Protocol transfer, Self-test, USB, printer / mouse**
- 23. Log book function for error messages and new calibration
- 24. E-mail Notification
- 25. Power save Standby function
- 26. Cooling vents at bottom and rear allow placing other instruments in limited bench space
- 27. Option to connect up to TWO Mastercycler nexus eco for ultimate throughput..**
- 28. Optional Self-test dongle to check functionality of all 6 peltier elements
- 29. Interface: Ethernet, CAN in, CAN out
- 30. Dimensions: W: 25 cm, D: 41.2 cm, H: 32.1 cm
- 31. Weight: 10.9 kg
- 32. Calibration according to NIST (USA), DKD/PTB (Germany) UKAS/NPL (UK), UL/CUL listed
- 33. Five year warranty**

Yours faithfully

SPECIAL OFFICER(E)