

# CALL FOR EQUIPMENT PURCHASE AT KEM HOSPITAL

Free tenders are invited for gradient PCR machine at Department of Clinical Pharmacology, Seth G S Medical College and KEM Hospital. The specifications are as follows

## Technical Specifications for Gradient (variable temperature) PCR machine

Scope: Supply, installation, testing and commissioning of gradient PCR machine to the following technical specifications, terms and conditions

1. PCR System which has a Block Format of 3x32 well with 0.2ml independent control.
2. 3X32 well independently controlled blocks which can be used by 3 different users at 3 different times to perform 3 different experiments.
3. The PCR System which has an interchangeable and flexible block configuration which accepts four types of thermal blocks for optimization and throughput.
4. The Instrument should be connected anywhere with a free mobile app.
5. PCR Instrument which is Wi-Fi enabled and remote connected. Thermal Cycler which provide a better than gradient (variable temperature) approach to PCR optimization. With six separate Peltier Blocks, one can precisely set and control the temperature in each block.
6. Maintain their thermal characteristics between optimizing and isothermal conditions, eliminating the need for optimization steps.
7. Incubate samples at six different temperatures simultaneously.
8. Run up to 6 separate temperatures in the same plate with user defined time to determine the optimal annealing temperatures.
9. Maximum Block Ramp rate is 6.00 degree C/sec.
10. Maximum Sample Rate is 4.50 degree C/sec.
11. Temperature Accuracy is  $\pm 0.25^{\circ}\text{C}$  (35-99C)
12. Temperature Range is 0C to 100C.
13. Temperature Uniformity is  $<0.5^{\circ}\text{C}$  (20sec after reaching 95C)
14. PCR Volume Range is 10-80ul.
15. Instrument Memory-USB on Board.
16. PCR Instrument which has a new, state of the art graphical user interface for easy programming and quickly checking the run status at the bench.
17. Stimulation modes for seamless transition.
18. Power is 100-240V, 50-60Hz, Max: 950VA
19. Warrantyp: - Two year warranty on the instrument.

Quotation in the name of:

**DJST, GSMC and KEM Hospital**

**ICMR Project, Department of Clinical Pharmacology**

New Bldg 1<sup>st</sup> Floor

Seth G SMC and KEMH, Parel Mumbai 400 012

**\*Kindly send us two original copies along with rubber stamp**

Last date of Quotation submission: 26<sup>th</sup> December 2015 on or before 12 noon.

For any Queries please contact: Ms Shital Bendkhale  
Contact Number: 022-24133767/9930854383

Kindly send us the **sealed** quotation at the following address as mentioned below:

**“Quotation for Gradient (variable temperature) PCR machine”**

**Department of Clinical Pharmacology, ICMR Project,**  
New Bldg 1<sup>st</sup> Floor  
Seth G SMC and KEMH, Parel, Mumbai 400 012

Kind Attention: Ms. Shital Bendkhale