



DEPARTMENT OF MICROBIOLOGY
BASIC MEDICAL SCIENCE BLOCK-I

Panjab University
South Campus, Sector-25
CHANDIGARH-160014

Prof. (Mrs.) Praveen Rishi, FAMI, FABMS

Chairperson

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Ref. MIC/14/.....

Dated:

QUOTATION NOTICE

LAST DATE AND TIME FOR RECEIPT OF QUOTATIONS:-03.12.2014 at 3.00 PM

DATE AND TIME FOR OPEN THE QUOTATIONS:- 04.12.2014 at 3.00PM in the Chamber of Chairperson, Deptt. of Microbiology, Sector-25, Chandigarh

INSTRUMENTS FOR PURSE GRANT

1. REAL TIME PCR MACHINE

SPECIFICATIONS:-

- Open 3 colours system, Fast
- LCD touch-screen
- Peltier based,
- 48 wells.
- Ramp rate minimum 4.5C/sec
- Temp. range 4-100C,
- resolution 0.1C,
- dyes that can be used : FAM, SYBR Green, VIC, ROX
- Licensed for Real Time PCR process
- Software specifications: Applications
 1. Comparative Ct
 2. Standard Curve, Relative Standard Curve, Genotyping Presence/Absence, Melt Curve Analysis, high-resolution melt (HRM) analysis (additional software package required)
 3. Dye Discrimination—Multicomponenting algorithm
 4. Multiplate Data Comparison—Compare an unlimited number of plates of gene expression assays
 5. Multiplex Capability—Multiplex up to five targets per well

6. PC Compatible
7. Primer designing software

ESSENTIAL ACCESSORIES

- System should be supplied with branded laptop for data analysis
- A 2 KVA online UPS with 30 min back up
- **Gradient Thermal cycler for Pre-optimization of samples with below specification**
 - 96 well block for 96 x 0.2ml reaction tubes or 96 well reaction plates.
 - 6 separate peltier blocks/zones where each block can be set with specific temperature and time for precise control.
 - Ramp rate approx 4.0 °C /sec.
 - Enabled to run fast chemistry in same block.
 - Temperature accuracy of +/- 0.250C
 - Temperature range of 4.00C to 99.90C
 - Temperature uniformity <0.50C
 - Heated lid to prevent any condensations or refluxing of the contents.
 - Autos restart facility and Software to calculate Tm.
 - Hot start PCR, Cycle sequencing, long PCR, Touchdown PCR and protocols on USB drive.
 - Touch screen interface with real time display of program.
 - Warranty should be two years from the date of installation
 - Licensed for PCR process

Terms and conditions

- Warranty should be three years from the date of installation
- 2% amount as EMD in the form of Draft in the name of The Chairperson, Department of Microbiology, Panjab University. Refundable to the relevant firm at the time of installment.
- At the time of installation company has to deposit a draft of 5 per cent of the cost in the name of the Chairperson, Dept. of Microbiology as security, refundable after 3 months of installation depending on the proper functioning of the instrument.
- Quote FOR rates
- Send quotations by registered post only