

Indian Institute of Technology-Kanpur
Department of Biological Sciences & Bioengineering

Enquiry No.: IITK/BSBE/JGR-5620/2015-16/02

Enquiry date: 10-06-15

Last Date: 26-06-15

Enquiry for Real Time PCR

We would like to purchase a Real Time PCR for our laboratory. Offered product should take into account specifications given below.

Equipment: Real Time PCR
Specification

- Real time PCR with block of 96 x 0.2 ml tubes or plate to run typical 0.2ml tubes, strips, and plates.
- The base thermal cycler should be usable for standard PCR
- Gradient capacity in Real-time with Dynamic ramping.
- Detection of FIVE different fluorescent reporters in the same tube.
- Six excitation and Six emission channels each filter corresponding to one dye that ensures smooth differentiation of even dyes having high degree of spectral overlap. Should be capable of Detecting Cy5, FAM/Sybr Green, VIC/JOE, TAMRA/Cy3, Texas Red, Quasar705
- Peltier Cooling & Heating
- Excitation -Emission range: 450- 730nm
- No internal reference dye should be required. True 5 Color Multiplexing with use of 5 different fluorophores without the need of addition of any internal reference dye.
- LED excitation source with Photodiode detector.
- Dynamic range of 10 orders.
- Open system capable of running various chemistries using- TaqMan, Molecular Beacon, SYBR green etc. all can be performed.
- Temperature range 0- 100 °C with accuracy of ± 0.2 °C
- Minimum sample vol : 1-50 μ l
- Should detect ≤ 10 fmol of fluorescein
- Should have multiple scan modes with a FAST scan option
- End point analysis for up to 5 fluorophores, should have mode for Melt curve analysis.
- Comparison of up to 5000 Ct values from different data files should be possible
- Ramping Rate 5 °C per sec.
- Analysis of multiple experiments from a single plate should be possible
- System should be compliant with the MIQE Guidelines
- The System should be capable of analyzing multiple platform data in a single window.

Terms and Conditions:

- Cost of the items including relevant accessories with technical specification should be mentioned in detail.
- Prices should include delivery up to IIT Kanpur.
- Warranty should at least be for three year after installation.
- Validity of quotation should be at least for 90 days.
- Delivery period: within 30days from the date of purchase order kindly send your best offer (Technical offer separately) and the quotation along with your authorized dealer certificate to address given below.

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