

### To Whom It May Concern

A Request For Quote (RFQ) from domestic (India based) manufacturers for the supply for quantitative realtime analysis thermal cycler (qRT-PCR), as part of a limited tender for the Department of Molecular Reproduction, Development and Genetics (MRDG) in IISc.

#### Procedure:

1. Please submit the proposal by email to the address specified at the end of this tender.
2. The deadline for submission of proposals is Monday, 5<sup>th</sup> of January 2021, by 5 pm.
3. The technical proposal should contain a compliance table beside the technical specifications listed in the description section below.
4. The compliance table should include all the items and in the same order. The first column should describe your compliance in a “Yes” or “No” response. If “No,” the second column should state the extent of the deviation. The “third” column should state the reasons for the deviation, if any. The fourth column can be used to compare your solution with that of your competitors or provide details as requested in the technical requirements table below.

	Description	Specifications
1.	Quantitative Real-time PCR machine	Quantitative real-time PCR machine 5-color 96-well plate format with a 10 log dynamic scaling
Basic Technical Specifications		
2.	Capacity	96-well plate format should be compatible with 8-tube strips; 0.2ml tubes with optical clear lids
3.	Colors	5 colors for detection of upto 5 different targets. The software should be optimized for cross-talk compensation.
4.	Cycling rates	Fast cycling compatible (upto 40 cycles in 30 minutes)
5.	Temperature ramping	Fast ramping, minimum rate 4°C/ sec
6.	Temperature uniformity	Should be a minimum 0.25°C across the block, and a certificate of the same should be provided
7.	Gradient function	Desirable
8.	Optics	Laser or LED-based optical system should take less than 10sec for scanning the entire 96-well plate. PMT based detection or equivalent.
9.	Lid	Heated, motorized (temp upto 105°C)
10.	Software	A simplified user interface should include melt analysis,
11.	Calibration	The system should preferably be calibration-free and should not require internal dyes like Rox.

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12	Additional components	Must include suitable computer and UPS with 30 min backup
<b>Commercial Terms and Conditions</b>		
1.	Customer base	Item must have been supplied to laboratories in the Bangalore area.
2.	Warranty & AMC	3 years warranty
3.	Payment Terms	The payment terms should be specified in the commercial proposal.
4.	Support	Please provide details of the number of trained personnel in India who can provide support in the same time zone +/- 3 hrs.
5.	References	Please provide a list of two references from India and/or abroad.
6.	Shipping	Please specify shipping cost and insurance till the site.
7.	Breakdown addressing	Within 3-4 hours of complaint registration.

Sincerely,

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