

February 04, 2014

Specifications for Real Time PCR / qPCR system at IISER Mohali, Sector 81 SAS Nagar Punjab

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| Application | The system is required for absolute and relative quantitation, allelic discrimination, genotyping, gene expression studies, high-throughput studies and HRM application. |
| No of color/filters | The system should have at least 4 colors / channels / filters |
| Block format | The system should be able to run with both 96-well and 384-well blocks |
| Blocks | Vendors should quote a system with both 96-well block and 384-well block |
| Thermal control | Peltier based technology |
| Heating rate / ramp rate | Minimum 2.5°C per Second |
| Compatibility | The system should be compatible with reagents from other companies |
| Software | In addition to the software needed for its operation of both the 96-well and 384-well blocks, the system should also be supplied with following software: a) Primer and Probe designing software b) Relative Quantitation Software c) HRM software |
| Consumable support | Vendor should provide reagents and plates minimum for 500 reactions. Vendor should provide the assays for the DNA/RNA templates of our interest |
| Service and support | The Vendor should provide comprehensive training on the operation of the instrument, chemistry options and software |
| Essential accessories | System must be supplied with a branded computer / laptop with sufficient data storage capacity, proper configuration and recent versions of essential programs for data analysis (for example, MS Office). The system should also be provided with a 3 KVA UPS with 1 hour back up |
| Warranty | The system should have at least 5 years warranty from the date of installation |

General Terms and Conditions

- 1) All the specifications should be supported by documentation in the form of original brochure/catalog. Photocopy will not be accepted. We reserve the right to disqualify parties who do not comply with the original documents. Compliance statement should be attached with markings in the original catalog.
- 2) The party should take an undertaking that they will supply the components of the instrument for the next 10 years after its installation at the site. Softwares and any other accessories that are upgraded by the company within 2 years of installation should be provided free of cost.
- 3) Technical Support should be available within 24 Hr.
- 4) The quoted price should include installation, operator instructions and institutional training onsite.
- 5) Installation will be considered complete only after successful demonstration of all the applications for which this system is being set up for.