

कार्यालय— प्रधानाचार्य, राज.स्वा.वि.वि. आयुर्विज्ञान महाविद्यालय, जयपुर

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No. RUHS-CMS/Store/2018-19/ 17895

Date ... 31-10-2018

तकनीकी निविदा में संशोधन

राजस्थान स्वास्थ्य विज्ञान विश्वविद्यालय आयुर्विज्ञान महाविद्यालय में स्वाईन फ्लू एवं वी.आर.डी. एल. लैब की स्थापना हेतु आवश्यक उपकरण Real Time RT PCR System क्रय किये जाने हेतु जारी ई-निविदा सूचना संख्या 14989 दिनांक 03.10.2018 में राजस्थान लोक उपापन में पारदर्शिता नियम 2013 के नियम 46 के अनुसार आयोजित प्री-बिड बैठक में प्राप्त प्रतिवेदनों पर विभागीय तकनीकी समिति द्वारा की गयी अभिशंषा का अनुमोदन महाविद्यालय क्रय समिति द्वारा किये जाने के पश्चात् निविदा में वर्णित उपकरण के स्पेसीफिकेशन को निम्नानुसार संशोधित किया जाता है -

Real Time RT PCR System

1. Capable of performing both real time PCR and end point analysis with CE, IVD and FDA 510K compliance. The software must have tools for compliance to FDA 510K and CE-IVD such as security access, auditing and e-signatures.
2. Peltier-based system.
3. System should support applications including absolute quantitation, simultaneous analysis data for relative quantitation of multiple plates, multiplex-PCR, allelic discrimination (SNP), and dissociation curve analysis as well as pathogen detection and plus/minus assay or similar technology using internal positive control.
4. 96-well block (both for Fast and standard Emulation Mode).
5. The system should have flexibility to use plates and 0.1 ml/ 0.2 ml tubes, strips to cut down the cost per reaction.
6. Supported volume range: 10 µl to 25 µl or be better.
7. Filters (wide band) - Five-excitation filters, five-emission filters.
8. Detection: CCD camera.
9. Block ramp rate (at peak): ≥ 5 °C.
10. Temperature Range: 4°C-99°C and temperature accuracy of at least +/- 0.5°C.
11. Optical System: The system should use Laser/LED/Tungsten-halogen lamp as excitation source.
12. Factory calibrated for handling dyes such as SYBR Green, FAM, VIC, JOE, NED, TAMRA, ROX, Texas Red, Cy3, and Cy5. System should be able to do five colour multiplexing in a single tube. Dye and optical calibration charges with consumables should be included in warranty period when ever required.
13. Additional Dyes Available: Calibration for new dyes within the wavelength range should be possible by following the custom dye calibration procedure in the User's Manual without purchase of additional filter sets. Calibration charges with consumable should be included in warranty period when ever required.
14. System should be standardized for Taqman and SYBR Green Chemistry with pre-validated and functionally tested Taqman Gene Expression Assays as well as Taqman SNP Genotyping Assays. They should be readily available from the same manufacturer as that of main instrument

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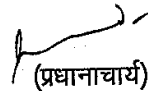
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Data collection:

- 15 Standard- Collect data for all 5 filters for all wells regardless of plate setup, plate setup may be altered after run completes.
- 16 Expert: Collect data for selected individual filter or group of filters for all wells regardless of plate. Plate setup may be altered after run completes.
- 17 Run time: ~30 min (fast mode-expert), <2 hrs (standard & emulation mode) for 40 cycles).
- 18 The software should be inclusive of Multi-componenting Algorithm/ Multititre algorithm or similar algorithm designed to provide precise de-convolution of multiple dye signals in each well to ensure minimal crosstalk when using multiple fluorophores for multiplex assays.
- 19 Whenever a new upgraded software to the system released by the company, it would be supplied, and installed free of cost.
- 20 System should be open be compatible with test reagents from different manufactures.
- 21 Dedicated licensed full version software for primer and probe design with comprehensive assay design and development guidelines for quantitative and qualitative real-time assays should be provided to enable designing of custom oligo assays.
- 22 The IQ, OQ and PQ of the instrument should be performed at the time of installation.
- 23 Electrical specification: 220 volts, 50Hz. single phase A.C.
- 24 Should be supplied with Laptop of good configuration and good make compatible with machine loaded with dedicated licensed full version of the software along with ink tank color printer and 2 KVA UPS online with 1 hour backup.
- 25 Should be supplied with 1.5 ton split air conditioner of good make.
- 26 After Sale, Service should be available promptly.
- 27 Calibration of the system must be done, at least once a year, and whenever required free of cost during warranty period
- 28 All accessories (Hardware/Software) required for complete operation of the system be supplied within the cost of system
- 29 Instrument should be supplied with a PCR tube spinner, Vortex mixer 4 in no., Magnetic stirrer of 1 litre capacity and Dry bath for pre sample preparation
- 30 Demo & Training on site only on suppliers expenditure before finalization of instrument.

उपरोक्तानुसार संशोधित स्पेसीफिकेशन के अतिरिक्त निविदा प्रपत्र में वर्णित अन्य शर्तें पूर्वानुसार यथावत् मान्य होंगे। निविदा में भाग लेने वाले निविदाताओं को निर्देशित किया जाता है कि वे उपरोक्त परिवर्तन के अनुसार ही निविदा प्रस्तुत करें।


(प्रधानाचार्य)

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