

Kindly send the sealed quotation for the purchased of **Qubit 3.0 Fluorometer (for DNA/RNA Quantification) - (1 No.)** with the following specifications. The quotations should be reach before or by 31.07.2017 and addressed to **Professor and Head, Department of Biochemistry, Teaching Block, AIIMS, New Delhi-110029.**

Specifications – Qubit 3.0 Fluorometer (for DNA/RNA Quantification.

- 1) System should be compact with small footprint benchtop Fluorometer
 - 2) Quantification of DNA, RNA, Proteins, oligos, microRNA using sensitive and accurate fluorescence based assays (with sensitive dyes selective for dsDNA, RNA & protein)
 - 3) System should be highly accurate and sensitive than UV absorbance
 - 4) System should be able to quantify from 1 μ L of sample
 - 5) System should give accurate quantification in less than 5 seconds per sample
 - 6) System should have easy-to-use large touch screen option to deliver superior responsiveness
 - 7) System should be powerful with dual-core processor that can quickly calculate sample concentration
 - 8) System should be able to store up to 1,000 sample results or reads
 - 9) System should have LED light source
 - 10) Light sources: Blue LED (max \approx 470 nm) Red LED (max \approx 635 nm)
Excitation filters: Blue 430-495 nm, Red 600-645 nm
Emission filter: Green 510-580 nm; Red 665-720 nm
 - 11) System detectors should be Photodiodes with measurement capability from 300-1000 nm
 - 12) System should use 0.5 mL PCR (polypropylene) tubes for sample detection
 - 13) System should be able to personalize the assays you run the most, should be able to add new assays, and even create new assays with software and web tool
 - 14) System should have Calibration type: 2- or 3-pint standard
 - 15) System should be made available along with starter kit for quantification purpose
- The instrument Starter Kit should include following assays -
- a) assay tubes (set of 500)
 - b) dsDNA BR Assay Kit, 100 assays
 - c) dsDNA HS Assay Kit, 100 assays
 - d) RNA HS Assay Kit, 100 assays
 - e) Protein Assay Kit, 100 assays
- Warranty: 5 years Comprehensive

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