



**Dr. Viji Vijayan**  
Assistant Professor  
Department of Biochemistry  
University of Kerala  
Kariavattom Campus  
Thiruvananthapuram  
Kerala INDIA 695 581  
[vijivijayan@keralauniversity.ac.in](mailto:vijivijayan@keralauniversity.ac.in)  
Ph: +91 9074529255



25-11-2022

BCH/UOK/Non-Plan/NBL/microvolume fluorometer/2022-23

Sealed quotations are invited from the reputed firms/ manufactures/distributors for the supply of **microvolume fluorometer** with relevant specifications on or before 8 December 2022 at 3.00 PM. Sealed quotations should be addressed to **Dr. Viji Vijayan, Principal Investigator, Setting up of neurobiology lab (Phase II) – Department of Biochemistry (Plan Fund), Department of Biochemistry, University of Kerala, Thiruvananthapuram - 695581** with superscription "**Quotation for the supply of microvolume fluorometer**". The quotations will be opened on 8 December 2022 at 11AM in the presence of such tenderers or their authorized representatives who may be present at that time.

### **Specifications for microvolume fluorometer**

1. A small stand-alone benchtop micro-volume fluorimeter for quantification of DNA, oligonucleotides, RNA, Proteins
2. Should have touch screen color display for operation
3. Should measure accurate concentrations of nucleic acids for downstream applications viz. qRT-PCR, microarray, Next generation sequencing
4. Minimum sample volume should be 1  $\mu$ L
5. Pre-saved programs for quantification of dsDNA, oligonucleotides, RNA, microRNA, RNA integrity & quality , protein
6. System should have limit of detection for dsDNA 10 pg/ $\mu$ L to 1000 ng/ $\mu$ L
7. System should have a reagent calculator that quickly generates working solution calculations
8. Light Sources - Blue LED (470 nm) and Red LED (635 nm) along with suitable excitation and emission filter sets
9. Detectors - Photodiodes with a measurement capability of 300-1000 nm
10. Dynamic range should be 5 orders of magnitude
11. Measurement time should be 5 sec/per sample
12. Instrument should be able to store results upto 1,000 samples or more
13. Should supply assay tubes and kits free of cost
14. Should include USB drive and Wi-Fi dongle to export data from the system

## 15. Should have warranty of 3 years

### **Terms and conditions**

1. The prices quoted should be that applicable for educational institutions.
3. The firm should extend service within 24 hours.
4. Prices are to be quoted FOR DESTINATION (Department of Biochemistry, University of Kerala, Kariavattom). The prices quoted should clearly indicate the 4 following charges: Price of the equipment including taxes; Price of optional accessories if any; Customs duty if any (after submission of custom and excise exemption certificate); Customs Clearance Charges, transportation charges and installation charges etc. If these details are not provided it will be considered that the price quoted is inclusive of all charges.
5. Technical Bid and Financial Bid must be placed in individual sealed envelopes and these envelopes must be placed inside a bigger envelope.
6. Only one model can be quoted in a tender. If the tenderer wants to quote for more than one model separate tenders should be submitted. If more than one model is quoted in single tender it will be summarily rejected.
7. Performance Certificate of the specified model should be attached along with the quotations.
8. The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.
9. If any of the components is found to be defective during the warranty period, the vendor has to replace the defective item immediately at their own cost.
10. **Specification compliance sheet to be provided along with the quotation.**
11. Quotations should also include all the supportive work for installation, loading and unloading of the equipment.
12. The interested bidders shall submit their best possible offer before last date to the undersigned.
13. Should be a certified company which has provided at least 5 installations of products within or outside India
14. The rate quoted shall be valid for a period of one year.

Sd/-

**Dr. Viji Vijayan**  
**Principal Investigator**  
**Setting up of Neurobiology Lab (Phase II)**  
**Department of Biochemistry**