

**INTER UNIVERSITY CENTRE FOR GENOMICS
AND GENE TECHNOLOGY (IUCGGT)**

**University of Kerala, Kariavattom,
Thiruvananthapuram, Kerala 695581**

CGGT/KU/52/2022

Date: 06.06.2022

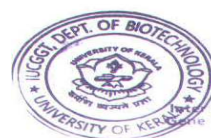
Sealed quotations are invited from the reputed firms/ manufactures/distributors for the supply of **NANODROP-SPECTROPHOTOMETER** with relevant specifications on or before 16.06.2022. Sealed quotations should be addressed to **The Hon. Director, Inter University Centre for Genomics and Gene Technology (IUCGGT), Department of Biotechnology, University of Kerala, Thiruvananthapuram - 695581** with superscription "**Quotation for the supply of NANODROP- SPECTROPHOTOMETER**". The quotation will be opened on 17.06.2022 at 11 AM.

SPECIFICATIONS FOR NANODROP SPECTROPHOTOMETER:

- System should be with 303 stainless steel & quartz fibre body, preferably compact.
- Capable of measuring in micro volume mode (0.5 µl to 1 µl), without using cuvettes, capillaries, tips, plates and membranes, along with cuvette mode will prefer.
- Should have long path length approximately 0.5mm (with auto ranging to 0.030mm)
- It should not require any running or operational cost (no consumables).
- System should not require any adaptors or any other accessories while taking readings.
- Detector: 2048- element linear silicon CCD array.
- Absorbance accuracy: 2% (at 0.75 absorbance at 260 nm).
- Absorbance range: 0.04-500 (1 cm equivalent absorbance).
- Wavelength range: 190- 840 nm.
- Light source: Pulsed Xenon flash lamp.
- Detection limit: upper limit- dsDNA 25000ng/µl lower limit- dsDNA 2ng/ µl
- Measurement cycle should not exceed more than 10 seconds.
- 100% sample recovery with no contamination.
- Simple and easy sample clearing facility should be available.
- Software: System should have pre-programmed methods for rapid and reliable analysis of Nucleic acids (ds DNA, ssDNA and RNA) and proteins (Bradford, Lowry), dye methods (parallel measurement of biomolecule and dye label), BCA, BSA, IgG, Lysozyme, Microarray: Cell culture General UV/VIS, FOI (Frequency of Incorporation) calculation also.
- Software tool: System diagnostic tool.
- System should have onboard controller with built in Operating systems and touch screen for stand along operation.
- At least 3 years warranty.
- Suitable branded computer system with licensed Windows Professional Software, Laser Jet printer and appropriate UPS should be quoted.
- It should support USB interface for data transfer.
- Wi-Fi network for extending and archiving data to server.

Terms and conditions

1. The prices quoted should be that applicable for educational institutions (5% GST)
2. The firm should extend service within 24 hours.
3. Prices are to be quoted FOR DESTINATION (IUCGGT, Department of Biotechnology, 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.
4. Performance Certificate of the specified model should be attached along with the quotations.
5. The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.
6. 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.
7. Supplier authorization letter and specification compliance sheet to be provided along with the quotation.
8. Quotations should also include all the supportive work for installation, loading and unloading of the equipment.
9. The interested bidders shall submit their best possible offer before last date to the undersigned.
10. Should be a certified company which has provided at least 5 installations of products within or outside India
11. The rate quoted shall be valid for a period of one year.



R. Rajalakshmi

Dr. R. RAJALAKSHMI
Hon. Director
University Centre for Genomics &
Biotechnology, Dept. of Biotechnology
University of Kerala

**Hon. Director
IUCGGT**