

DEPARTMENT OF BIOCHEMISTRY

DST-FIST & UGC-SAP Sponsored Department

UNIVERSITY OF KERALA



(Established as University of Travancore by the Travancore University act in 1937 and reconstituted as University of Kerala by the Kerala University act of 1957 and presently governed by the Kerala university act of 1974 passed by the Kerala state Legislative assembly No. 3878-F1/72/Law dated 27th July 1974 of the government of Kerala)

(Re – accredited by NAAC with 'A' Grade)

Kariavattom

Thiruvananthapuram – 695581

Phone: 0471 2308078

Email : biochemistrykariavattom@gmail.com

14.07.2021

QUOTATION NOTICE

(BCH/HA/Plan-04/2021)

Sealed quotations are invited for the supply of ELISA Plate Reader with relevant specifications with on or before **15/08/2021** at **4.00pm**. Sealed quotations should be addressed to Professor & Head (Principal Investigator Plan Fund, University of Kerala), Department of Biochemistry, University of Kerala, Thiruvananthapuram-695581 with superscription "Quotation for the supply ELISA Plate Reader". The quotation will be opened on **18/08/2021** at **11.00 AM** in the presence of such tenderers or their authorized representatives who may be present at that time. The rate quoted shall be valid for a period of one year. Quotations should also include all the supportive work for installation, loading and unloading of the equipment. Bidders have to note Appendix I- Technical Specifications and Appendix II- Terms and Conditions and should attach the relevant documents along with the quotation.

Name of the Equipment: ELISA Plate Reader

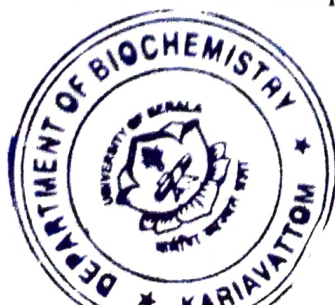
Appendix I- Technical Specifications

- Wavelength range should be 300-850nm
- Preferably standalone/ user interface or, allowing computer connectivity (PC controlled).
- Able to connect with external printer or have built-in printers, USB memory stick for memory storage and support

- Versatile with application capacity to measure total protein and cell proliferation assays in addition to ELISA assays.
- Absorbance range: 0.000 to 6.000 OD
- Resolution: 0.001 OD
- Accuracy (405nm) $\pm 1\%$ (0-3 Abs) or ± 0.003 Abs whichever is greater
- Precision: $CV \leq 0.2\%$ (0.1-3 Abs)
- Linearity 0.5% and 0.005 OD from 0.10-1.0 OD at 492 nm 1.0% and 0.010 OD from 1.0-2.0 OD at 492 nm 1.0% and 0.010 OD from 1.0-2.0 OD at 492nm
- Light source: Quartz halogen or tungsten halogen
- Read speed: 4-13 seconds for 96 well
- Need high contrast colour display, touch screen. Monitor with 1280 x 1024 resolution
- Read 6, 12, 24, 48, 96 and 384 plates or able to Add multiple plate per analysis
- Able to measure flat, rounded and v-bottomed plates
- User friendly and compatible software.
- Operating System: Microsoft Windows 7 with service Pack1 (Windows 8.1, 64 bit operating system recommended)
- Minimum system requirement Dual core processor, 2 GHz or faster, 4GB RAM, 14 G B for disk space, USB port, CD ROM drive,
- Battery backup for 250 tests and more than 2500 results. More than 50 programmable protocols and 100 test results, easy to create new methods. Standard curves including linear, point to point, cubic spline and 4 – parameter with scales such as Log ABS/ Conc, Logit ABS/ Log Conc, ABS/ Conc, Log ABS/ Log Conc etc. Storage of calibration curves, storage of plate results, Bichromatic and trichromatic readings. Matrix mode of result printing.
- Analysis mode Absorbance (Normal and differential); cut off, multi standard, Kinetic.
- Select only those data that want for reporting.
- **CE specifications**
- Filters Supplied: High quality narrow band interface 8 position filter wheel with standard filters installed: 405, 450, 490, 570, 595 and 630nm, or provision for adding Additional filters separately.
- Half bandwidth of filters 3nm-10nm
- Micro plate shaking: Linear with programmable speed and duration which can be varied based on experiment requirement.
- Robotic compatibility
- Main inputs 90-240 V (50/60 Hz)
- Power consumption Max 100 VA, Standby 8VA
- Weight ≤ 11 Kg
- Price range 100000-305000 INR

Appendix II- Terms and Conditions

- Delivery within 4-6 weeks from the date of receipt of our order
- 1-3 years Warranty




 Professor & Head
 Department of Biochemistry
 University of Kerala, Kariavattom
 Thiruvananthapuram - 695 581