

UNIVERSITY OF KALYANI

TENDER NOTICE

Ref. No. KU/TEN/BCBP/TC/ER/2017-18/01

Dated: December 29, 2017

Sealed tenders are invited for purchase and installation of an Eliza Reader from reputed manufacturers or their dealers with the following specifications:

Specification For Elisa Reader

- Wavelength range 400–750 nm
- Photometric range 0.0–3.5 OD
- Linearity $\leq 1.0\%$ from 0.0–2.0; OD; $\leq 2.0\%$ from 0.0–3.0 OD
- Accuracy $\pm 1.0\%$
- Precision 1.0%
- Resolution 0.001 OD
- Filter wheel capacity 8 Wheel with 8 filters:
415, 450, 490, 550, 595, 620, 655 & 750 nm
- Plate shaking 3 speeds: low, mid, high; duration: 0–999 sec
- Read time 6 sec at single wavelength,
10 sec at dual wavelengths
- Data output Onboard graphical thermal printer and
USB2 interface with PC or Mac data stations
Window based
- Data storage Calendar/clock function; 64 assay
Protocols

100 Eliza plates to be supplied with the equipment (free of cost)

- Flexible configurations with ability to read flat-, U-, or V-bottom microplates or 8- or 12-well strip plates
- Automatic calibration before each reading
- Variable-speed plate-shaking capability

- USB2 port for external computer control
- Data and protocol presentation on LCD display
- Onboard data storage of protocols, standard curves, and graphs
- Self-diagnostic capabilities to detect lamp burnout at startup
- Motorized door for plate loading

Software specification:

Microplate Manager for High-Throughput Analysis and Reporting

- Running of 12 separate assays on the same plate
- Optional automatic printing upon completion of measurement
- Multiple-plate processing with automated data export
- Linear, quadratic, cubic, Log-Log, Zero-Intercept Linear, Semi-Log, Logit Log, Point to Point or logistic (4-parameter, 5-parameter) fit types
- Linear or logarithmic automatic axis scaling
- External standard curves for multiple plates

Complex Kinetic Analyses

- Choice of number of calculation points for Vmax
- Negative or positive slope calculation
- Absorbance limit selection
- Kinetic correlation coefficient display and calculation for fit (r value)
- Real-time data acquisition display and ability to zoom in on a well
- Automatic scaling and real-time monitoring

Hard copies of the tender documents with relevant brochure should be sent to Prof. Tapati Chakraborti, Department of Biochemistry and Biophysics, University of Kalyani, Kalyani 741235, West Bengal on or before January 12, 2018 (4:30 pm)

Sd/-

Prof. Tapati Chakraborti
Department of Biochemistry and Biophysics
University of Kalyani