

Automated ELISA system – 1No.
Doc. No: ST/12/Auto-ELISA/2016-17/04

Specifications

1. **Automated ELISA system** having integrated incubator, washer, reader and plate shaker for complete ELISA
2. Provision to use reader & washer independently if needed
3. The system should have a capability to handle minimum of 4 plates on deck with storage capacity of minimum 10plates.

Pipetting arm

1. System should have independent pipetting arm with compatibility for generally available types of tips .
2. Each tip should have independent volume control & flexibility to move in x, y, z direction.
3. Should have facility for liquid level & clot detection.
4. Volume range 3 μ -25 ml & different syringecapacity.
5. Pipetting arm should be compatable for using test tubes/eppendorfs/microplates.
6. The system should have dedicated wash procedure
7. System should have capability of pipetting & sample dilution

Incubator

should have minimum 4 independently programmable incubators and temperature upto 60 degree centigrade with shaking feature.

Elisa Reader

1. Modular design micro plate reader
2. Absorbance mode: wavelength range 230 nm to 700nm.
3. Light source: UV Xenon flash lamp./ any other light source suitable.
4. Measurement range 0-3.0 OD.
5. Photometric resolution :0.001 OD.
6. Photometric accuracy:<+ 0.001 OD.
7. Spectral scanning, well area scanning, end point (all modes), kinetic (all modes).
8. Reader capable of reading the plate 96 well.
9. Plate shaking linear and orbital.

Elisa Washer.

1. Should have 8 WAY manifold
2. Programmable volume 50 to 1000 microlits
3. Suitable capacity wash bottles and waste container with level sensing sensors
4. Residual volume in each well should not be more than 5 ul.

Operating voltage : 230 volts A.C./ 50 Hz

TERMS AND CONDITIONS:

1. The equipment should carry a 3 years comprehensive warranty and 2 years non comprehensive Warranty from the date of installation at the required location.
2. The above given specifications and features are only approximate and for the information of bidder to quote for a similar model and make, available.
3. Director N I N reserve the final right to accept or reject a particular make and model based on the technical suitability as per final requirement and need.
4. The accessories supplied like UPS and others like P. C. printer if any should also be covered under WARRANTY upto 5 years from installation.
5. The bidder should accept the above terms and conditions in writing.