



All India Institute of Medical Sciences Jodhpur

Admn/Prop/85/2021-AIIMS.JDH

Dated: - 07th January, 2022

Subject: Purchase of Fully Automated 3 Plate ELISA System for “Regional Level Viral Research and Diagnostic Laboratory” VRDL Lab at AIIMS Jodhpur on proprietary basis - **Inviting comments thereon.**

The Institute is in the process of purchasing Fully Automated 3 Plate ELISA System for “Regional Level Viral Research and Diagnostic Laboratory” VRDL Lab on proprietary basis from M/s Bio-Rad Laboratories (India) Private Limited and PAC certification by user are attached.

The above document are being uploaded for open information to submit subjection, comments, if any from any manufacturer regarding proprietary nature of the equipment within 21 days of issue giving reference Admn/Prop/85/2021-AIIMS.JDH. The comments should be received by office of Deputy Director (Administration), Medical College at AIIMS, Jodhpur on or before 27th January, 2022 upto 03:00 PM failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Deputy Director (Administration)

Enclosed: Related documents enclosed.



**Bio-Rad
Laboratories (India) Private Limited**
(A wholly owned subsidiary)

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Tower A, Sector-61, Golf course extension,
Gurugram - 122102
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GST No.: 06AAACB3202A1ZR



Registered Office: Plot No. 1270 Basement, Lal Dora, Village Kapashera,
Opposite Fun-Food Village, New Delhi - 110037. Tel: 91-11-25065913
CIN No.: U3210+DL1996PTC078494, GST No.: 07AAACB3202A1ZP

PROPRIETARY CERTIFICATE

Jun, 2021

This is to certify that the **Evolis Twin Plus (Fully Automated Elisa Processor)** is a registered trademark of Bio-Rad Laboratories (India) Pvt. Ltd.

- Evolis Twin Plus (Cat No- 93500B)

These products are also proprietary to **Bio-Rad Laboratories Inc. USA.**
Bio-Rad Laboratories India Private Ltd. is a 100% fully owned subsidiary of 4000 Alfred Nobel Drive
Hercules, California USA 94547.

For and on behalf of
Bio-Rad Laboratories (India) Pvt Ltd.

Authorized Signatory

Tender Specifications

1. System should be CE Approved Fully Automated Walkaway Microplate System
2. Should have a Sample capacity of 144 at a time
3. Should have Independent flexible (to be able to accommodate any kind of sample tubes available in the market – 10 to 16mm diameter) sample racks for sample loading with a capacity of 16 sample tubes / rack.
4. Should be Multi tasking system (simultaneous functioning of different processing steps)
5. Should have a capacity of 3 microplate at a time.
6. System should be able to perform minimum of 12 parameters per batch
7. The system software should have inbuilt option for Assay Optimization for faster processing.
8. The system should have pipetting safety features with capacitance, barometric & Colourimetric.
9. The system should have a Minimum pipetting volume of 10ul or less.
10. Should have QC software inbuilt.
11. System should detect Clots/ bubbles in sample tubes.
12. System should accommodate different reagent vials from various manufactures.
13. Should be a Single probe system.
14. System should have independent Robotic arms for Sample /reagent dispensing and Microplate transportation to minimize breakdowns.
15. Should use Carbonized or graphite disposable tips for reagent & sample dispensing.
16. System should be able to perform Primary Tube sampling.
17. Should have options for tube dilution, plate dilution & In tip dilution to minimize cost and assay time.
18. Should have 72 positions for tube dilution and 192 positions for plate dilution.
19. Should have On board capacity of 384 Sample/ Reagent Tips.
20. Should have Inbuilt automatic bar-code reader for sample tubes, Reagents, and Controls.
21. System should be able to perform Sample dilutions from 1:1 to up to 1 to 1:10000
22. Should have capacity of 16 positions for reagents & 16 positions for calibrators/ Controls.
23. System should process sample dispensing (100µl/well) in 16 minutes and reagent dispensing (100µl/well) in 4 minutes in a 96 well microplate.
24. Should have 8 Channel washer manifold with separate needles for aspiration and dispensing with Cross well aspiration facility.
25. Should have inbuilt micro plate Reader with Bichromatic and Monochromatic reading options with 8 filter positions (3 preinstalled filters (450, 492, 650nm).
26. Should have Spectrophotometric reading range- 0 to 3.5 OD
27. Should have 3 incubators with temp options from 5 to 45°C. and at least 2 incubators at ambient temperature
28. Should be able to do Bi-directional interface.



29. Start up time should be less than 10 minutes.
30. System should have Option for performing individual functions like Washing, reading, incubation and sample addition.
31. The system should have in built touch screen monitor for easy operation.
32. The supplier should provide minimum of 2 year warranty and 5 years spare parts availability
33. The supplier should be a Direct importer / manufacturer.of the system.
34. Pipetting precision should be less than 4% at 100ul
35. Accuracy should be less than 5% at 100ul.
36. The supplier should have More than 30 Installation references in India for the quoted item.

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