

Calibration Certificate

16 Dec 2022

This is to certify that Access 2 Immunoassay Analyzer (Sr. No. 508341) installed at Medicentre Sonography and clinical Lab, Banswara has been calibrated as per the recommended procedures. The system parameters as mentioned below were verified and necessary calibrations done as applicable.

System temperatures

Temperature Sensor	Temperature (°C)	Operating range (°C)
Incubator	36.43	36.13 to 36.73
Wash Carousel	36.43	36.23 to 36.63
Substrate	36.45	36.23 to 36.63
Refrigerator	3.14	1.00 to 5.00

Pressure Sensors (Pipettor) – Calibrated

Ultrasonic Voltage- Adjusted

Incubator Belt- Calibrated

Power Supply Units

Power Supply	Measured (V)	Tolerances (V)
+24V	24.04 V	1.2V
+12V	12.13 V	0.4V
+5V	5.00 V	0.2V
-5.2V	-5.21 V	N.A.
-12V	-12.05 V	0.4V
PMT	-869.52 V	N.A.

Luminometer

Calibration Verified

High Voltage Control	3.5172
High Voltage reading	-869.519
LED Target Value	1050408.30
DCF	0.998 (Expected 0.80-1.20)

Dark Count Check-Ok

All the parameters are within the specified Limits.



Performance Tests

System Check

	Value	Status	Limits
Wash efficiency	0.13	Pass	-1.00 – 1.00
Substrate: Washed Ratio	1.02	Pass	0.00 – 1.25
Substrate Ratio	0.88	Pass	0.00 – 1.40

System Check	Mean	Status	Limits	SD	%CV	Status	Limits
Washed	8268.65	Pass	5000 – 20000	178.84	2.16	Pass	0.00-12.00
Clean	7235.27	Pass		111.79	1.55		
Substrate	7265.11	Pass	5000 – 9000	76.14	1.05	Pass	0.00-5.00
Unwashed	6998817.00	Pass	4000000 -10000000	31233.09	0.81	Pass	0.00-2.00

The equipment is certified to be in good working condition and is ready for the intended use.

For Beckman Coulter India Pvt. Ltd.

Manish Arora
Territory Customer Support Engineer



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The System has passed the performance tests. The System is ready for calibration of the Chemistries with the respective calibrators. The validation of the chemistry results to be done with multi levels of commercially available controls.

Calibration validity: 12 Months

For Beckman Coulter India Pvt. Ltd.

A handwritten signature in black ink, appearing to read 'Manish Arora', written in a cursive style.

Manish Arora

Territory Customer Support Engineer

System Calibration Access 2 - Sr. No. 508241