

Calibration Certificate

This is to certify that **ADVIA Centaur XP S No. IRL41811338** installed at Apollo Health and Lifestyle, Hyderabad, has been **calibrated on 11th February 2023** and the same was verified with the following tests.

Luminometer

Dark Count Results without Cuvette

	Well 1	Well 2	Well 3	Well 4	Well 5	Well 6	Well 7	Well 8
RLU 1		24	21	21	24	21	26	24
RLU 2	16	19	20	16	16	19	20	28
RLU 3	25	27	24	22	18	14	23	21
Mean	20.00	23.33	21.67	19.67	19.33	18.00	23.00	24.33
SD	4.58	4.04	2.08	3.21	4.16	3.61	3.00	3.51
CV	22.91	17.32	9.61	16.35	21.53	20.03	13.04	14.43
Total Results			Results			Remarks		
Mean			21.17			Passed		
SD			3.69			Passed		
CV			17.44			Passed		

Dark Count with Cuvette

	Well 1	Well 2	Well 3	Well 4	Well 5	Well 6	Well 7	Well 8
RLU 1	29	25	20	21	23	28	16	24
RLU 2	23	18	28	21	25	21	18	19
RLU 3	22	30	17	24	19	18	25	31
Mean	24.67	24.33	21.67	22.00	22.33	22.33	19.67	24.67
SD	3.79	6.03	5.69	1.73	3.06	5.13	4.73	6.03
CV	15.35	24.77	26.24	7.87	13.68	22.98	24.03	24.44
Total Results			Results			Remarks		
Mean			22.71			Passed		
CV			18.93			Passed		
SD			4.30			Passed		

Thermal Operations

Module	Tolerance	Equilibrate	Remarks
Incubation Ring A	In	In	Verified
Incubation Ring B	In	In	Verified
Incubation Ring C	In	In	Verified
Incubation Ring D	In	In	Verified
Pre Heater	In	In	Verified
PMT	In	In	Verified
Primary Reagent A	In	In	Verified
Primary Reagent B	In	In	Verified
Primary Reagent C	In	In	Verified
Ancillary Queue	In	In	Verified
Reagent Probe 1	In	In	Verified
Reagent Probe 2	In	In	Verified
Reagent Probe 3	In	In	Verified

Data Sheet

Wash Station Position	Syringe Size	Volume Dispensed	Expected Range
Dispense Port1&Aspirate1	5 mL	5.00 mL	4.85 mL – 5.15 mL
Dispense Port 2&Aspirate2	5 mL	5.10 mL	4.85 mL – 5.15 mL
WD & Aspirate 3	5 mL	4..90 mL	4.85 mL – 5.15 mL
Dispense Port3&Aspirate4	5 mL	4.95 mL	4.85 mL – 5.15 mL
Resuspend & Waste	2 mL	2.05 mL	1.85 mL – 2.15 mL
Acid Pump		3.00 mL	2.9 mL – 3.1 mL
Base Pump		3.00 mL	2.9 mL – 3.1 mL

Verified the Calibrations and alignment of Robotics visually

Calibration of the instrument was carried out as per the recommendation. Checked all voltages of the instrument and found in range with Digital Multi Meter, calibration parameters and performance tests are found within range.

Next Calibration will be performed on 10th August 2023

Siemens Healthineers

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