

CALIBRATION CERTIFICATE

Certificate No. 0076

Customer: Sunrise Pathology Laboratory
Ahmedabad.
Gujarat
Instrument: Fully Auto 3 Part Haematology Analyzer
Model: "DH 36"
Manufacturer: SHENZHEN DYMIND BIOTECHNOLOGY CO. LTD.

Date of Calibration: 12-08-2022
Working Temperature: $25^{\circ} \pm 1^{\circ} \text{C}$
Due Date: 11-08-2023
Serial no. DM10011938016

Acu Medica Lab Systems Pvt. Limited is an organization dealing with Dymind Auto Haematology Analyzer. It has a technically qualified Technical team to ensure trouble free operation. The Described instrument has been checked and calibrated under the ambient conditions stated below.

Power Supply			Remarks
UPS Supply	Expected Reading	Measured Reading	
Phase to Neutral	$230 \pm 10 \text{ VAC}$	232 VAC	Within Limits
Phase to Earth	$230 \pm 10 \text{ VAC}$	233 VAC	
Neutral to Earth	0 - 5 VAC	1 VAC	

Test Point Voltages	Measured Reading	Remarks
$5 \pm 0.15 \text{ VDC}$	5.0 VDC	Values are within Limits
$12 \pm 0.25 \text{ VDC}$	11.52 VDC	
$-12 \pm 0.25 \text{ VDC}$	-11.71 VDC	
$56 \pm 6.0 \text{ VDC}$	55.60 VDC	
$3.3 \pm 0.13 \text{ VDC}$	3.26 VDC	

	Measured Value	Range	Remarks
HGB Zero (V)	0.0	0.0 - 0.20	Within Range
HGB Blank (V)	4.56	3.4 - 4.8	
Vacuum	184	175 - 205	

Test Point Voltages	Status	Remarks
Pressure	Normal	All Parts are working well & Adjustment not required.
Vacuum	Normal	
Filter	Normal	
Syringe Motor Check	Normal	
Rotation Motor Check	Normal	
Elevator Motor Check	Normal	
Printer/Recorder Check	Normal	

	Status	Remarks
System Initialization	Okay	Working Well.
Key Board Check	Okay	
Display Check	Okay	

Acu Medica Lab Systems (P) Ltd.

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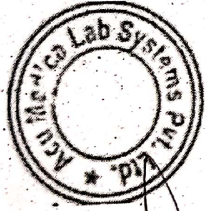
Parameters Tested	Target Values	Acceptable Range	Units
White Blood Cells (WBC)	9.26	± 0.20	$10^3/\mu\text{L}$
Red Blood Cells (RBC)	4.69	± 0.08	$10^6/\mu\text{L}$
Haemoglobin (HGB)	13.4	± 0.20	g / dL
Mean Cell Volume (MCV)	88.6	± 2.00	fL
Platelet (PLT)	254	± 12	$10^3/\mu\text{L}$

This Instrument and the above measuring parameters are calibrated with R & D Systems Inc. **DM-CAL PLUS** Haematology Calibrator. Lot no. **N0822** Exp. Date: 10/09/2022 the estimated uncertainty to be associated with the results is at a confidence level of approximately 99%.

REMARKS/DEVIATIONS IF ANY:

1. The calibration interval should be determined based on the user's requirements.
2. The user should be determining the stability of the instrument for its intended use.
3. The results stated in this certificate related only to the instrument calibrated.

Calibrated By:



Vasudev Tank
Sr. Area Service Manager - Gujarat
+91 9998999573

Satisfactory
Aty
12/08/22

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