

HORIBA

Explore the future

HORIBA India Private Limited

246, Okhla Industrial Estate Phase-III,

New Delhi 110020, India

Tel : +91 (11) 4646 5000 / 4669 5001

Fax : +91 (11) 4646 5020

http : //www.horiba.com

CIN : U73100DL2006PTC153232

HIN/MED/2022-2023/122768

25/11/2022

CALIBRATION CERTIFICATE

This is to certify that the hematology analyser YUMIZEN H550 bearing serial no: **208YAXH03908** installed at **REDCLIFFE LIFE TECH PRIVATE LIMITED KOLKATA** was calibrated on **24/11/2022**.

Calibrator : ABXMINOCAL

LotNo. : CX477

ExpiryDate : 05/12/2022

The reports of Blank Cycle, Repeatability and Calibration Values were all found in acceptable range.

Next calibration cycle is due on 24/11/2023

A circular blue ink stamp with the text "HORIBA IN PVT. LTD." around the perimeter. Overlaid on the stamp is a handwritten signature in blue ink.

Shrish Dixit

(Head – Products & Marketing)

Repeatability Report (part 1)

Number of repeatability run report selected for statistic calculation 10/10

Coefficient	WBC (10 ³ /μL)	RBC (10 ⁶ /μL)	HGB (g/dL)	HCT (%)	PLT (10 ³ /μL)	MCV (μm ³)	RDW-CV (%)	RDW-SD (μm ³)	P-LCR (%)
Minimum	6.36	4.29	12.3	36.2	227	84.2	13.6	49.6	49.9
Maximum	6.65	4.47	12.5	37.7	247	84.8	14.4	52.1	55.8
Mean	6.54	4.38	12.4	37.0	235	84.5	14.0	50.9	52.5
Difference	0.29	0.18	0.2	1.5	20	0.6	0.8	2.5	6.0
2 SD	0.19	0.13	0.1	1.2	12	0.4	0.5	1.8	3.1
CV(%)	1.45	1.54	0.57	1.61	2.56	0.26	1.75	1.77	2.97

Sel	Run Date &Time	WBC (10 ³ /μL)	RBC (10 ⁶ /μL)	HGB (g/dL)	HCT (%)	PLT (10 ³ /μL)	MCV (μm ³)	RDW-CV (%)	RDW-SD (μm ³)	P-LCR (%)	Operator
✓	11/24/2022 01:36:39 PM	6.49	4.46	12.3	37.7	233	84.6	14.0	50.4	51.8	technician
✓	11/24/2022 01:38:21 PM	6.61	4.44	12.3	37.6	242 *	84.6	14.3	52.1	49.9	technician
✓	11/24/2022 01:39:51 PM	6.63	4.47	12.5	37.7	235 *	84.3	13.9	50.4	52.6	technician
✓	11/24/2022 01:41:20 PM	6.65	4.30	12.4	36.3	231 *	84.3	13.6	49.6	53.0	technician
✓	11/24/2022 01:43:03 PM	6.51	4.34	12.4	36.8	235 *	84.8	14.4	52.1	52.7	technician
✓	11/24/2022 01:44:33 PM	6.56	4.45	12.3	37.7	247 *	84.6	14.2	51.2	55.8	technician
✓	11/24/2022 01:46:02 PM	6.36	4.36	12.3	36.9	234 *	84.7	14.3	52.1	52.2	technician
✓	11/24/2022 01:47:35 PM	6.64	4.29	12.3	36.2	232	84.3	13.9	50.4	52.1	technician
✓	11/24/2022 01:49:05 PM	6.51	4.36	12.3	36.7	229 *	84.2	13.9	50.4	53.9	technician
✓	11/24/2022 01:50:37 PM	6.44	4.35	12.3	36.7	227	84.2	13.9	50.4	51.5	technician

Repeatability Report (part 2)

Number of repeatability run report selected for statistic calculation 10/10

Coefficient	NEU% (%)	LYM% (%)	MON% (%)	EOS% (%)	BAS% (%)	LIC% (%)
Minimum	75.6	17.8	1.6	2.0	0.8	0.1
Maximum	77.4	19.6	2.0	2.6	1.2	0.5
Mean	76.5	18.5	1.8	2.2	1.0	0.3
Difference	1.8	1.8	0.4	0.6	0.4	0.4
2 SD	1.3	1.1	0.3	0.4	0.3	0.2
CV(%)	0.82	3.05	8.51	9.16	15.81	40.55

Sel	Run Date &Time	NEU% (%)	LYM% (%)	MON% (%)	EOS% (%)	BAS% (%)	LIC% (%)	Operator
✓	11/24/2022 01:36:39 PM	76.3	18.7	1.9	2.2	0.9	0.4	technician
✓	11/24/2022 01:38:21 PM	75.6	19.1	1.8	2.3	1.2	0.2	technician
✓	11/24/2022 01:39:51 PM	76.7	18.3	2.0	2.1	0.9	0.3	technician
✓	11/24/2022 01:41:20 PM	76.8	18.1	2.0	2.0	1.1	0.5	technician
✓	11/24/2022 01:43:03 PM	77.4	17.8	1.9	2.1	0.8	0.2	technician
✓	11/24/2022 01:44:33 PM	75.9	18.7	1.7	2.5	1.2	0.3	technician
✓	11/24/2022 01:46:02 PM	77.1	17.9	1.6	2.6	0.8	0.3	technician
✓	11/24/2022 01:47:35 PM	77.2	18.1	1.7	2.1	0.9	0.3	technician
✓	11/24/2022 01:49:05 PM	76.6	18.6	1.7	2.2	0.9	0.1	technician
✓	11/24/2022 01:50:37 PM	75.7	19.6	1.6	2.0	1.1	0.2	technician

QC - Control Run Report

Run Date | 02/13/2023 10:08:26 AM

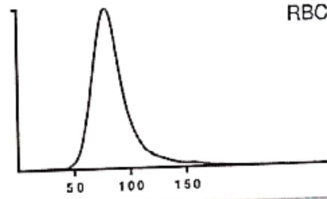
Operator | REDCLIFFE

Name | ABXdiffrol N
 Level | Normal
 Lot number | PX439N

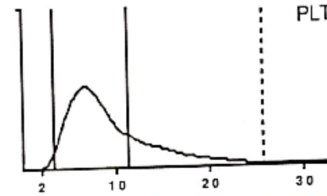
Sample ID | PX439N
 Exp. date | 03/05/2023

Alarms

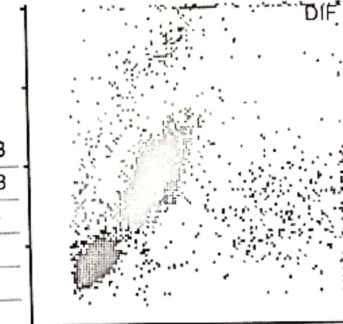
			Range
RBC	4.65	10 ⁶ /μL	4.42 - 4.82
HGB	13.5	g/dL	12.9 - 13.9
HCT	39.0	%	38.2 - 42.2
MCV	83.9	μm ³	82.0 - 92.0
MCH	29.1	pg	27.0 - 31.0
MCHC	34.7	g/dL	30.3 - 36.3
RDW-CV	11.7	%	10.0 - 18.0



			Range
PLT	250	10 ³ /μL	226 - 286
MPV	7.9	μm ³	7.1 - 11.1



			Range
WBC	8.63	10 ³ /μL	7.20 - 9.20
	#	Range	%
NEU	3.93	2.98 - 4.78	45.7
LYM	3.64	2.85 - 4.25	42.1
MON	0.48	0.00 - 0.86	5.6
EOS	0.43	0.00 - 0.50	4.9
BAS	0.15	0.00 - 0.18	1.7
			Range
			37.3 - 57.3
			35.3 - 51.3
			0.0 - 10.4
			0.0 - 6.2
			0.0 - 2.2



Slide Review

Neutrophil	Myeloblast	Anisocytosis
Lymphocyte	Promyelocyte	Hypochromia
Monocyte	Myelocyte	Polychromasia
Eosinophil	Metamyelocyte	Poikilocytosis
Basophil	Blast	Microcytosis
Atypical Lymphocyte	Target Cell	Macrocytosis
Other	Sickle Cell	Platelet Clumps

Reviewed on _____ by _____ Signature :

QC - Control Run Report

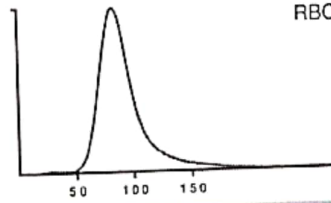
Run Date | 02/13/2023 10:10:43 AM

Operator | REDCLIFFE

Name | ABXdifftrol H
 Level | High
 Lot number | PX439H

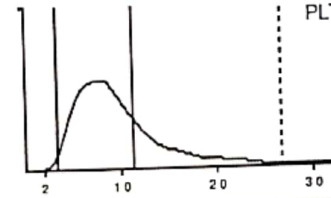
Sample ID | PX439H
 Exp. date | 03/05/2023

			Range
RBC	5.28	10 ⁶ /μL	4.99 - 5.49
HGB	16.3	g/dL	15.4 - 16.6
HCT	47.3	%	46.0 - 51.0
MCV	89.4	μm ³	87.5 - 97.5
MCH	30.9	pg	28.0 - 33.0
MCHC	34.5	g/dL	30.0 - 36.0
RDW-CV	12.0	%	10.5 - 18.5



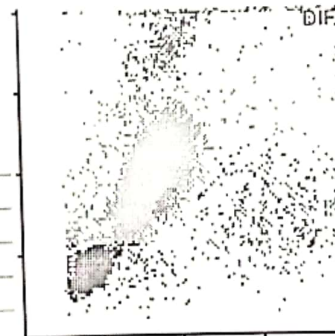
RBC

			Range
PLT	471	10 ³ /μL	448 - 548
MPV	8.1	μm ³	7.5 - 11.5



PLT

			Range
WBC	18.07	10 ³ /μL	16.10 - 20.50
	#	Range	%
NEU	12.72	11.07 - 14.63	70.5
LYM	3.60	2.29 - 5.29	19.9
MON	0.69	0.00 - 1.32	3.8
EOS	0.71	0.00 - 1.28	3.9
BAS	0.35	0.00 - 0.48	1.9



Slide Review

Neutrophil	Myeloblast	Anisocytosis
Lymphocyte	Promyelocyte	Hypochromia
Monocyte	Myelocyte	Polychromasia
Eosinophil	Metamyelocyte	Poikilocytosis
Basophil	Blast	Microcytosis
Atypical Lymphocyte	Target Cell	Macrocytosis
Other	Sickle Cell	Platelet Clumps

Reviewed on _____ by _____ Signature :