

HIN/MED/2022-2023/100453
09/04/ 2022

CALIBRATION CERTIFICATE

This is to certify that the Hematology Analyzer **YumizenH550** bearing serial number: **202YAXH03667** installed at **Radcliffe Lifetech Pvt. Ltd, Varanasi** as calibrated on 9th April 2022.

Calibrator : ABX MINOCAL
Lot No. : CX468.
Expiry Date : 05 May 2022

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

Next calibration cycle is due on **4th May 2023.**



Shrish Dixit

Calibration Report

Sample ID 1
Lot number 468

Name minocal

Exp. date 05/05/2022
Modified on

	Coefficient	WBC	RBC	HGB	HCT	PLT	MPV
New	1.143	1.143	0.987	0.987	1.026	1.065	1.041
Current	1.143	1.143	0.930	0.987	1.015	1.000	1.041
Target	8.90	8.90	4.60	13.4	38.6	263	10.9
Mean	8.58	8.58	4.26	13.1	36.0	245	10.9
CV(%)	0.93	0.93	1.02	0.47	1.03	2.79	1.43

Number of calibration run selected for coefficient calculation (minimum 5) 6/7

Sel.	Run Time	WBC (10 ³ /μL)	RBC (10 ⁶ /μL)	HGB (g/dL)	HCT (%)	PLT (10 ³ /μL)	MPV (μm ³)
	04/09/2022 04:21:20 PM	8.73	4.36	13.3	37.0	256	11.1
✓	04/09/2022 04:23:09 PM	8.66	4.28	13.1	36.3	254	11.2
✓	04/09/2022 04:24:56 PM	8.52	4.17	13.1	35.3	249	10.9
✓	04/09/2022 04:26:44 PM	8.64	4.28	13.1	36.2	242	10.7
✓	04/09/2022 04:28:31 PM	8.47	4.28	13.2	36.2	234	10.8
✓	04/09/2022 04:30:27 PM	8.66	4.25	13.1	35.9	244	10.8
✓	04/09/2022 04:32:28 PM	8.55	4.27	13.1	35.9	248	10.8

QC - Control Run Report

Run Date 11/02/2022 07:58:20 AM

Operator technician

Name ABXdifftrol L

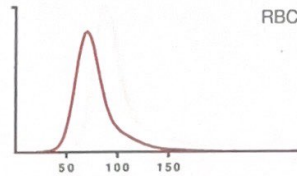
Sample ID PX437L

Level Low

Exp. date 11/05/2022

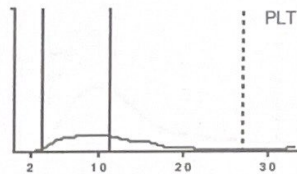
Lot number PX437L

			Range
RBC	2.32	10 ⁶ /μL	2.20 - 2.52
HGB	5.9	g/dL	5.5 - 6.3
HCT	18.2	%	16.3 - 19.3
MCV	78.6	μm ³	70.5 - 80.5
MCH	25.6	pg	23.0 - 27.0
MCHC	32.5	g/dL	30.1 - 36.1
RDW-CV	17.5	%	12.5 - 20.5

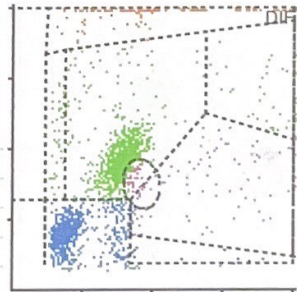


Alarms

			Range
PLT	76	10 ³ /μL	48 - 88
MPV	11.0	μm ³	8.8 - 12.8



			Range
WBC	3.36	10 ³ /μL	2.70 - 3.50
	#	Range	%
NEU	1.54	1.10 - 1.80	45.6
LYM	1.30	0.84 - 1.50	38.7
MON	0.15	0.00 - 0.38	4.5
EOS	0.32	0.00 - 0.42	9.6
BAS	0.05	0.00 - 0.16	1.6



AD

Raw Data

PLT counts (by sections)

S1	S2	S3	S4	S5	S6	S1	S2	S3	S4	S5	S6
83	90	93	87	93	88	2196	2275	2231	2345	2293	2292
S7	S8	S9	S10	S11	S12	S7	S8	S9	S10	S11	S12
102	69	91	105	99	88	2261	2295	2398	2307	2296	2249

RBC counts (by sections)

WBC counts (by sections) and others

S1	S2	S3	S4	S5	S6	L11	L12	L13	L14	L15	L16
195	219	225	232	200	222	3598	3608	3610	1818	1817	1818
S7	S8	S9	S10	S11	S12	L17	L18	L19	L110	L111	L112
206	231	222	227	216		1818	1819	1819	1819	1819	1819
RMeasured :	2269										
Correlated :	2137										
Optical intensity :	180										
						L113					
						1819					

QC - Control Run Report

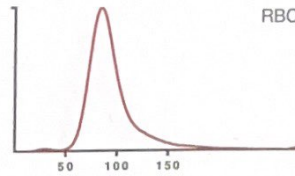
Run Date 11/02/2022 05:06:00 PM

Operator technician

Name ABXdifftrol H
Level High
Lot number PX437H

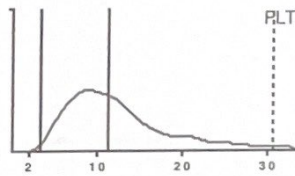
Sample ID PX437H
Exp. date 11/05/2022

			Range
RBC	5.10	10 ⁶ /μL	5.05 - 5.55
HGB	16.6	g/dL	15.9 - 17.1
HCT	47.7	%	47.1 - 52.1
MCV	93.5	μm ³	88.5 - 98.5
MCH	32.5	pg	28.6 - 33.6
MCHC	34.8	g/dL	30.3 - 36.3
RDW-CV	13.6	%	10.0 - 18.0



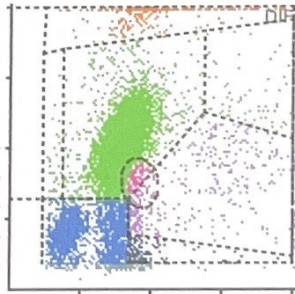
Alarms

			Range
PLT	517	10 ³ /μL	443 - 543
MPV	11.6	μm ³	9.5 - 13.5



			Range
WBC	18.24	10 ³ /μL	16.10 - 20.50

	#	Range	%	Range
NEU	11.98	11.61 -	65.7	63.8 - 83.8
LYM	4.55	1.59 - 4.59	24.9	8.9 - 24.9
MON	0.75	0.03 - 1.15	4.1	0.1 - 6.3
EOS	0.74	0.00 - 1.72	4.1	0.0 - 9.4
BAS	0.22	0.00 - 0.52	1.2	0.0 - 2.8



Raw Data

PLT counts (by sections)

S1	S2	S3	S4	S5	S6	S1	S2	S3	S4	S5	S6
408	386	392	386	443	473	4563	4539	4677	4600	4593	4589
S7	S8	S9	S10	S11	S12	S7	S8	S9	S10	S11	S12
406	416	402	441	432	426	4612	4642	4582	4485	4568	4539

RBC counts (by sections)

WBC counts (by sections) and others

S1	S2	S3	S4	S5	S6	LI1	LI2	LI3	LI4	LI5	LI6
1193	1158	1247	1135	1160	1166	3609	3609	3609	584	584	584
S7	S8	S9	S10	S11		LI7	LI8	LI9	LI10	LI11	LI12
1191	1175	1181	1101	1181		584	584	583	584	583	584

HGB measures (Optical intensity)

RMeasured : 10603
Correlated : 10253
Optical intensity : 180

LI13 : 583