

## Calibration Report

This is to certify that Hematology Analyser ABX Yumizen H550 installed at Gautam Labdi Diagnostic Centre, Ramwadi Pune calibrated on 25.05.2024.

Instrument: Hematology Analyser

Company: Horiba

Model: ABX Yumizen H550


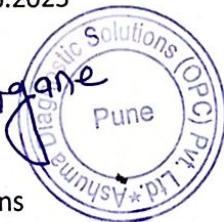
Calibrator: ABX minocal

Lot No. CX495

Expiry:05.07.2024

Report of Blank cycle, repeatability and calibration values were all found in acceptable.

Next Calibration due: 18.06.2025

Ashuma Diagnostic Solutions

Mr.Ashutosh Mandavgane



Home

Date/Time 22/05/2024 03:09:50 PM

Operator Service Technician

Section Blank

Level INFO

Message Startup passed

Details

Status	WBC (10 <sup>3</sup> /mm <sup>3</sup> )	RBC (10 <sup>6</sup> /mm <sup>3</sup> )	HGB (g/dL)	PLT (10 <sup>3</sup> /mm <sup>3</sup> )
	0.01	0.00	0.0	3

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Validate



# REPEATABILITY



SID: 1		WBC	RBC	HGB	PLT	HCT	MCV
	Min	10.12	5.27	12.2	259	37.8	71.5
	Max	10.50	5.48	12.6	302	39.3	72.1
	Mean	10.38	5.38	12.4	287	38.6	71.8
	Difference	0.38	0.21	0.3	43	1.5	0.6
	2 SD	0.23	0.11	0.2	23	0.8	0.3
	CV(%)	1.10	1.02	0.80	3.96	1.00	0.24

Selected runs 11/11



Run Date & Time	WBC (10 <sup>3</sup> /mm <sup>3</sup> )	RBC (10 <sup>6</sup> /mm <sup>3</sup> )	HGB (g/dL)	PLT (10 <sup>3</sup> /mm <sup>3</sup> )	HCT (%)	MCV (fL)
✓ 22/05/2024 03:35:15 PM	10.34	5.37	12.4	302	38.4	71.5
✓ 22/05/2024 03:36:25 PM	10.45	5.48	12.6	297	39.3	71.8
✓ 22/05/2024 03:37:33 PM	10.50	5.46	12.5	290	39.1	71.7
✓ 22/05/2024 03:38:40 PM	10.34	5.35	12.4	287	38.4	71.9
✓ 22/05/2024 03:39:48 PM	10.26 *	5.38	12.4	284	38.5	71.7
✓ 22/05/2024 03:40:58 PM	10.12 *	5.40	12.3	259	38.7	71.7
✓ 22/05/2024 03:42:06 PM	10.49	5.27	12.5	288	37.8	71.8
✓ 22/05/2024 03:43:17 PM	10.42	5.38	12.4	294	38.7	71.9
✓ 22/05/2024 03:44:26 PM	10.37	5.36	12.3	284	38.6	72.0



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Start Repeatability



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# CALIBRATION



## Calibrator Information

Sample ID CX495  
 Lot number CX495  
 Name ABX MINOCAL

Exp. date 05/07/2024  
 Modified on



Coefficients	WBC	RBC	HGB	HCT	PLT
New	1.114	1.051	0.954	0.874	1.168
Current	1.114	1.051	0.954	0.874	1.168
Target	8.90	4.47	13.0	35.2	257
Mean	9.75	4.51	13.6	37.0	275
CV(%)	0.71	0.75	0.17	1.01	1.80

Selected runs 6/7  
 (5 minimum)

Run Date & Time	WBC (10 <sup>3</sup> /mm <sup>3</sup> )	RBC (10 <sup>6</sup> /mm <sup>3</sup> )	HGB (g/dL)	HCT (%)	PLT (10 <sup>3</sup> /mm <sup>3</sup> )
22/05/2024 03:52:01 PM	9.73 h	4.55 h	13.5 h	37.4 h	284 h
22/05/2024 03:53:09 PM	9.86 h	4.55 h	13.6 h	37.4 h	275 h
22/05/2024 03:54:22 PM	9.75 h	4.49	13.6 h	36.8 h	274 h
22/05/2024 03:55:41 PM	9.75 h	4.40	13.5 h	36.1	278 h
22/05/2024 03:56:54 PM	9.65 h	4.49	13.6 h	36.7 h	269 h
22/05/2024 03:58:19 PM	9.77 h	4.47	13.6 h	36.5 h	274 h
22/05/2024 03:59:32 PM	9.77 h	4.52	13.6 h	37.0 h	277 h



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# CONTROL RUN RESULT



Sample ID QC-24050573

Level High

Exp. date 05/07/2024



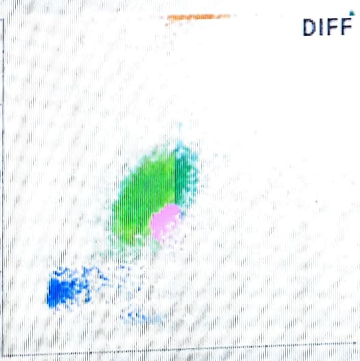
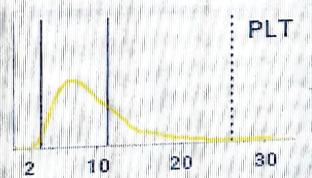
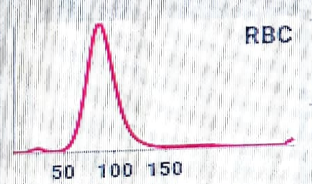
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Lot number QC-24050573

Name CBC-SYS

Run date 22/05/2024 05:47:56 PM

CBC	DIF		DIF		DIF		DIF	
WBC	19.42	10 <sup>3</sup> /mm <sup>3</sup>		%	10 <sup>3</sup> /mm <sup>3</sup>		%	10 <sup>3</sup> /mm <sup>3</sup>
RBC	5.56	10 <sup>6</sup> /mm <sup>3</sup>	NEU	82.7	16.07	IMG	8.0	1.55
HGB	17.9	g/dL	LYM	5.4	1.05			
HCT	50.2	%	MON	2.7	0.52			
MCV	90.3	fL	EOS	3.5	0.67			
MCH	32.1	pg	BAS	5.7	1.11			
MCHC	35.6	g/dL						
RDW-CV	13.0	%						
RDW-SD	43.7	fL						
PLT	458	10 <sup>3</sup> /mm <sup>3</sup>						
MPV	8.7	fL						



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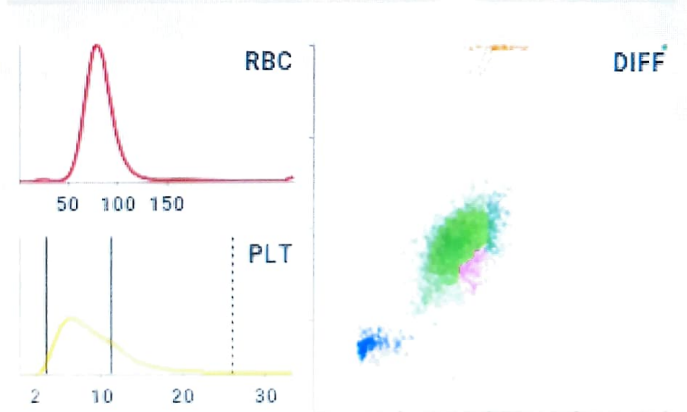


Radars

Standard

● Sample ID **QC-24050572**    Level **Normal**    Exp. date **05/07/2024**  
 Lot number **QC-24050572**    Name **CBC-SYS**    Run date **22/05/2024 05:50:27 PM**    🏠 Home

CBC			DIF		
WBC	8.16	10 <sup>3</sup> /mm <sup>3</sup>	%	10 <sup>3</sup> /mm <sup>3</sup>	
RBC	4.30	10 <sup>6</sup> /mm <sup>3</sup>	NEU	84.1	6.85
HGB	13.1	g/dL	LYM	5.6	0.46
HCT	36.1	%	MON	1.1	0.09
MCV	84.0	fL	EOS	4.0	0.33
MCH	30.5	pg	BAS	5.2	0.43
MCHC	36.3	g/dL			
RDW-CV	13.4	%			
RDW-SD	41.5	fL			
PLT	244	10 <sup>3</sup> /mm <sup>3</sup>			
MPV	8.7	fL			



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**Standard**





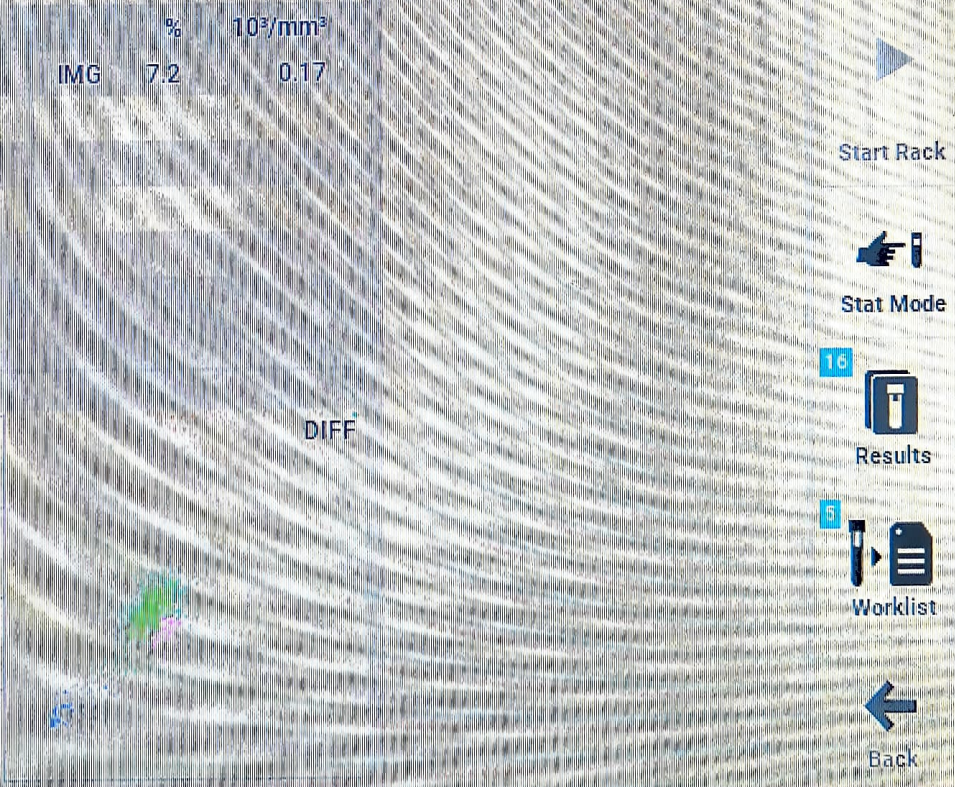
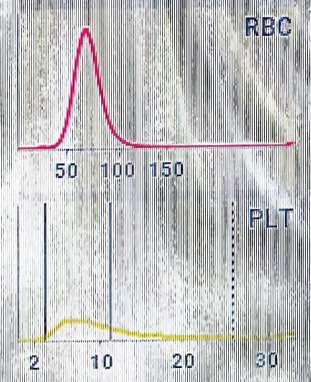
Sample ID **QC-24050571** Level **Low** Exp. date **05/07/2024**  
 Lot number **QC-24050571** Name **CBC-SYS** Run date **22/05/2024 05:57:28 PM**



**CBC**

**DIF**

WBC	2.38	10 <sup>3</sup> /mm <sup>3</sup>	%	10 <sup>3</sup> /mm <sup>3</sup>	%	10 <sup>3</sup> /mm <sup>3</sup>
RBC	2.32	10 <sup>6</sup> /mm <sup>3</sup>	NEU	77.9	1.85	IMG
HGB	6.2	g/dL	LYM	9.4	0.22	0.17
HCT	17.7	%	MON	1.7	0.04	
MCV	76.3	fL	EOS	4.9	0.12	
MCH	26.7	pg	BAS	6.1	0.15	
MCHC	35.0	g/dL				
RDW-CV	14.5	%				
RDW-SD	38.1	fL				
PLT	79	10 <sup>3</sup> /mm <sup>3</sup>				
MPV	8.9	fL				



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v3.2.0.4



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06:00 PM 22/05/2024