

HORIBA
Medical

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

MED/2022-2023/100458
30th August 2022

CALIBRATION CERTIFICATE

This is to certify that the Hematology Analyzer Yumizen **H500** bearing serial number:
810YOXH01849 installed at **Path Kind Diagnostics, Mau** as
calibrated on 29th Aug 2022.

Calibrator : ABX MINOCAL
Lot No. : CX473
Expiry Date : 05 Sep 2022

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

Next calibration cycle is due on **28th Aug 2023**.

calibrated on 29th Aug 2022



Shrish Dixit

(Head- Products & Marketing) For
Horiba India Pvt. Ltd. is due on **28th Aug 2023**

calibrated on 29th Aug 2022

Calibration Report

Sample ID 1
Lot number CX473

Name ABX MINOCAL

Exp. date 09/05/2022
Modified on

Coefficient	WBC	RBC	HGB	HCT	PLT	MPV
New	1.080	0.890	0.941	1.059	1.005	1.020
Current	1.109	0.851	0.970	1.078	0.866	1.000
Target	9.00	4.51	12.8	37.4	260	10.3
Mean	9.24	4.31	13.2	36.4	224	10.1
CV(%)	1.66	1.26	0.23	1.25	1.90	1.72

Number of calibration run selected for coefficient calculation (minimum 5) 8/10

Sel.	Run Time	WBC (10 ³ /μL)	RBC (10 ⁶ /μL)	HGB (g/dL)	HCT (%)	PLT (10 ³ /μL)	MPV (μm ³)
	08/29/2022 02:04:36 PM	9.33 h	4.34 l	13.4 h	36.8	245 l	10.6
✓	08/29/2022 02:05:57 PM	9.16	4.23 l	13.2 h	35.6 l	223 l	10.5
✓	08/29/2022 02:07:22 PM	9.00	4.32 l	13.2 h	36.7	224 l	9.9
✓	08/29/2022 02:08:59 PM	9.12	4.27 l	13.2 h	36.2 l	230 l	10.0
	08/29/2022 02:10:35 PM	9.33 h	4.28 l	13.2 h	36.2 l	230 l	10.5
✓	08/29/2022 02:12:13 PM	9.39 h	4.35 l	13.2 h	36.8	219 l	10.1
✓	08/29/2022 02:13:53 PM	9.16	4.25 l	13.2 h	36.1 l	222 l	10.2
✓	08/29/2022 02:15:31 PM	9.30 h	4.38 l	13.3 h	37.0	229 l	10.0
✓	08/29/2022 02:17:12 PM	9.45 h	4.32 l	13.2 h	36.3 l	219 l	10.2
✓	08/29/2022 02:18:54 PM	9.34 h	4.35 l	13.2 h	36.8	227 l	10.2

08/29/2022 02:25:00 PM

Printed by : technician

S/N 810Y0XH01849

QC - Control Run Report

Run Date 29/08/2022 03:07:02 PM

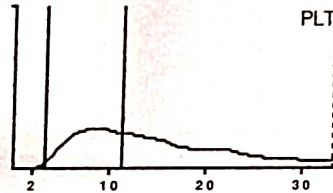
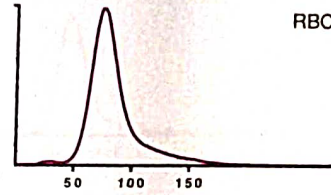
Operator technician

Name ABXdiffrol N
Level Normal
Lot number PX436N

Sample ID PX436N
Exp. date 05/09/2022

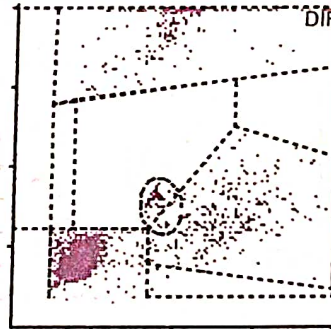
			Range
RBC	4.60	10 ⁶ /μL	4.53 - 4.93
HGB	13.0	g/dL	12.8 - 13.8
HCT	40.6	%	38.9 - 42.9
MCV	88.2	μm ³	80.0 - 90.0
MCH	28.3	pg	26.1 - 30.1
MCHC	32.0	g/dL	30.1 - 36.1
RDW-CV	15.4	%	10.5 - 18.5
RDW-SD	43.3	μm ³	31.5 - 47.5

			Range
PLT	289	10 ³ /μL	238 - 298
MPV	13.7	μm ³	11.2 - 15.2



Alarms

			Range		Range
WBC	8.47	10 ³ /μL	7.45 - 9.45		
	#		Range	%	Range
NEU	4.12		3.09 - 4.89	48.6	37.2 - 57.2
LYM	3.48		2.68 - 4.58	41.1	34.9 - 50.9
MON	0.43		0.00 - 0.82	5.0	0.1 - 9.7
EOS	0.36		0.01 - 0.55	4.3	0.1 - 6.5
BAS	0.08		0.00 - 0.28	1.0	0.0 - 3.4



Raw Data

PLT counts (by sections)

S1	S2	S3	S4	S5	S6
235	277	288	283	304	279
S7	S8	S9	S10	S11	S12
276	235	277	281	284	284

RBC counts (by sections)

S1	S2	S3	S4	S5	S6
4471	4457	4386	4428	4452	4434
S7	S8	S9	S10	S11	S12
4237	4234	4295	4256	4298	4324

WBC counts (by sections) and others

S1	S2	S3	S4	S5	S6
557	569	602	581	609	581
S7	S8	S9	S10	S11	
583	577	576	600	535	

HGB measures (Optical intensity)

LI1	LI2	LI3	LI4	LI5	LI6
3845	3845	3845	839	839	838
LI7	LI8	LI9	LI10	LI11	LI12
838	838	838	838	838	838
LI13					
839					

RMeasured : 5525
Correlated : 5487
Optical intensity 194

QC - Control Run Report

Run Date 29/08/2022 02:57:51 PM

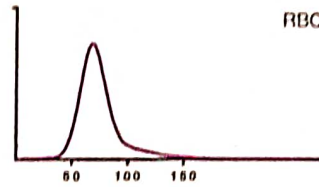
Operator technician

Name ABXdiffrtol L
Level Low
Lot number PX436L

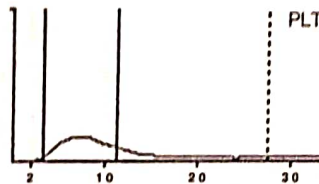
Sample ID PX436L
Exp. date 05/09/2022

			Range
RBC	2.37	10 ⁹ /μL	2.22 - 2.54
HGB	6.0	g/dL	5.8 - 6.6
HCT	18.7	%	17.3 - 20.3
MCV	79.1	μm ³	74.0 - 84.0
MCH	25.3	pg	24.1 - 28.1
MCHC	31.9	g/dL	30.0 - 36.0
RDW-CV	15.6	%	13.0 - 21.0
RDW-SD	39.4	μm ³	35.0 - 51.0

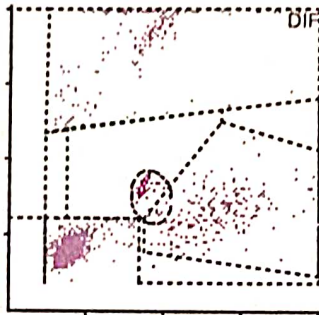
Alarms



			Range
PLT	87	10 ⁹ /μL	57 - 97
MPV	10.5	μm ³	8.1 - 12.1



WBC	2.99	10 ⁹ /μL	Range	2.50 - 3.30
#			Range	%
NEU	1.23		0.87 - 1.57	41.0
LYM	1.13		0.78 - 1.44	37.8
MON	0.28		0.00 - 0.52	9.4
EOS	0.27		0.01 - 0.35	9.0
BAS	0.08		0.00 - 0.24	2.8



Raw Data

PLT counts (by sections)

S1	S2	S3	S4	S5	S6
120	111	114	135	125	136
S7	S8	S9	S10	S11	S12
72	120	124	135	132	128

RBC counts (by sections)

S1	S2	S3	S4	S5	S6
2473	2440	2376	2435	2474	2488
S7	S8	S9	S10	S11	S12
2396	2377	2418	2398	2373	2451

WBC counts (by sections) and others

S1	S2	S3	S4	S5	S6
223	188	207	203	175	213
S7	S8	S9	S10	S11	
180	229	204	210	227	
RMeasured :	2141				
Correlated :	2131				
Optical intensity	194				

HBG measures (Optical Intensity)

LI1	LI2	LI3	LI4	LI5	LI6
3843	3843	3844	1861	1861	1861
LI7	LI8	LI9	LI10	LI11	LI12
1861	1862	1862	1862	1863	1863
LI13					
1863					

QC - Control Run Report

Run Date 29/08/2022 02:55:54 PM

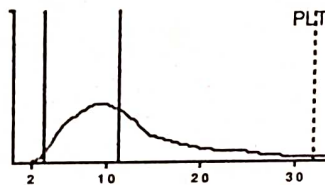
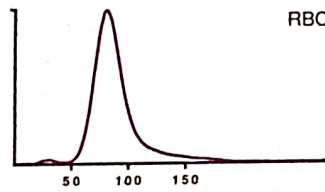
Operator technician

Name ABXdiffrol H
Level High
Lot number PX436H

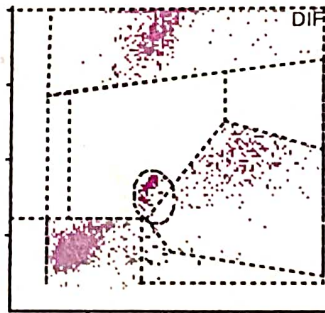
Sample ID PX436H
Exp. date 05/09/2022

		Unit	Range
RBC	5.01	10 ⁶ /μL	4.99 - 5.49
HGB	15.2	g/dL	15.2 - 16.4
HCT	46.1	%	45.7 - 50.7
MCV	92.1	μm ³	87.0 - 97.0
MCH	30.4	pg	27.7 - 32.7
MCHC	33.1	g/dL	29.8 - 35.8
RDW-CV	13.4	%	10.0 - 18.0
RDW-SD	40.2	μm ³	33.0 - 49.0

Alarms



WBC	18.24	10 ³ /μL	Range	16.20 - 20.60
	#		Range	%
NEU	12.91		10.89 -	70.8
LYM	3.70		2.25 - 5.25	20.3
MON	0.47		0.00 - 1.28	2.6
EOS	0.90		0.00 - 1.70	4.9
BAS	0.26		0.00 - 0.74	1.4



Raw Data

PLT counts (by sections)

S1	S2	S3	S4	S5	S6
423	452	430	487	451	496
S7	S8	S9	S10	S11	S12
423	460	450	436	451	430

RBC counts (by sections)

S1	S2	S3	S4	S5	S6
4619	4711	4716	4809	4751	4743
S7	S8	S9	S10	S11	S12
4639	4692	4676	4575	4655	4608

WBC counts (by sections) and others

S1	S2	S3	S4	S5	S6
1250	1229	1212	1233	1225	1251
S7	S8	S9	S10	S11	
1259	1296	1213	1244	1215	

HBG measures (Optical Intensity)

LI1	LI2	LI3	LI4	LI5	LI6
3844	3844	3844	660	660	660
LI7	LI8	LI9	LI10	LI11	LI12
660	660	660	660	660	660
LI13					
660					

RMeasured : 10553

Correlated : 10536

Optical intensity 194