



HORIBA India Private Limited

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CIN : U73100DL2006PTC153232

HIN/MED/2020-2021/100513
28th Oct 2020

CALIBRATION CERTIFICATE

This is to certify that the Hematology Analyzer **MICROS 60** bearing serial number: **308OS93273** installed at **MAYOM HOSPITAL, GURUGRAM** as calibrated on 28th Oct 2020.

Calibrator : ABX MINOCAL
Lot No. : CX452
Expiry Date : 05th Dec 2020

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

Next calibration cycle is due on 27th Oct 2021.



Shrish Dixit

(Head- Products & Marketing)
For **Horiba India Pvt. Ltd.**

CALIBRATION

DATE: 28/10/2020
OPERATOR: OP.1
LOT #: CX452

TIME: 15:26

RUN	WBC	RBC	HGB	HCT	PLT	MPV
1 P	9.1	4.56	13.7	39.4	237	7.3
2	9.2	4.65	14.2	40.3	233	7.6
3	9.0	4.59	13.8	39.7	235	7.6
4	9.1	4.60	14.1	39.7	250	7.5
5	9.3	4.64	14.1	40.1	239	7.7
MEAN	9.1	4.62	14.1	39.9	239	7.6
TARGET	9.2	4.54	13.9	39.9	237	7.4
C V	1.2	0.5	1.0	0.6	2.7	0.7
% CHG	0.7	1.8	1.1	0.1	0.9	2.5
OLD CAL.	1.10	0.83	1.32	1.05	1.10	0.87
CURRENT	1.11	0.81	1.31	1.05	1.09	0.85
STATUS	OK	OK	OK	OK	OK	OK

RESULTS

DATE: 28/10/2020

ID : 1

TIME: 15:26

SEQ.# : 8

STARTUP PASSED

T: 20.1 Deg C

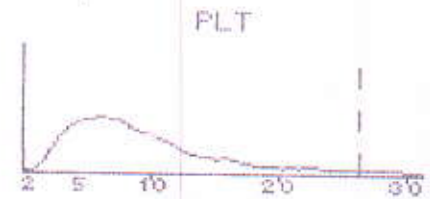
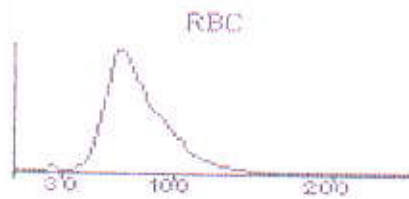
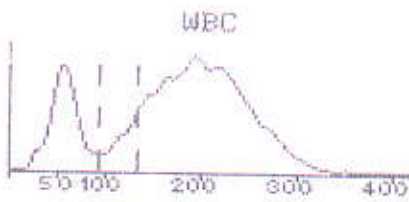
PLT Flags : SCH

WBC :	12.1 H	$10^3/mm^3$	< 3.5 - 10.0 >	MCV :	86	μm^3	< 80 - 97 >
RBC :	3.77 L	$10^6/mm^3$	< 3.80 - 5.80 >	MCH :	26.7	pg	< 26.5 - 33.5 >
HGB :	10.1 L	g/dl	< 11.0 - 16.5 >	MCHC :	31.0 L	g/dl	< 31.5 - 35.0 >
HCT :	32.5 L	%	< 35.0 - 50.0 >	RDW :	15.8 H	%	< 10.0 - 15.0 >
PLT :	276	$10^3/mm^3$	< 150 - 390 >	MPV :	9.2	μm^3	< 6.5 - 11.0 >
PCT :	.254	%	< .100 - .500 >	PDW :	17.1	%	< 10.0 - 18.0 >

WBC Flags : G1

DIFF :

%LYM:	19.6	%	< 17.0 - 48.0 >	#LYM:	2.3	$10^3/mm^3$	< 1.2 - 3.2 >
%MON:	7.1	%	< 4.0 - 10.0 >	#MON:	0.8	$10^3/mm^3$	< 0.3 - 0.8 >
%GRA:	73.3	%	< 43.0 - 76.0 >	#GRA:	9.0 H	$10^3/mm^3$	< 1.2 - 6.8 >



RESULTS

DATE: 28/10/2020

TIME: 15:18

ID : 1

SEQ.# : 3

STARTUP PASSED

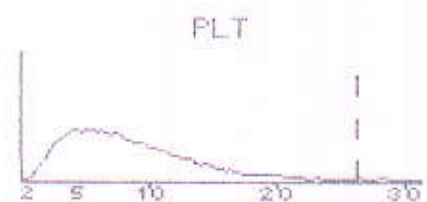
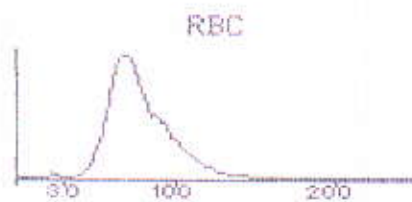
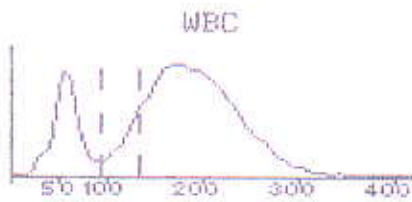
T: 20.2 Deg C

WBC :	12.1 H	$10^3/\text{mm}^3$	< 3.5 - 10.0 >	MCV :	86	μm^3	< 80 - 97 >
RBC :	3.75 L	$10^6/\text{mm}^3$	< 3.80 - 5.80 >	MCH :	27.0	pg	< 26.5 - 33.5 >
HGB :	10.1 L	g/dl	< 11.0 - 16.5 >	MCHC :	31.3 L	g/dl	< 31.5 - 35.0 >
HCT :	32.3 L	%	< 35.0 - 50.0 >	RDW :	16.0 H	%	< 10.0 - 15.0 >
PLT :	277	$10^3/\text{mm}^3$	< 150 - 390 >	MPV :	8.9	μm^3	< 6.5 - 11.0 >
PCT :	.247	%	< .100 - .500 >	PDW :	17.3	%	< 10.0 - 18.0 >

WBC Flags : G1 G2

DIFF :

%LYM:	19.5	%	< 17.0 - 48.0 >	#LYM:	2.3	$10^3/\text{mm}^3$	< 1.2 - 3.2 >
%MON:	8.4	%	< 4.0 - 10.0 >	#MON:	1.0 H	$10^3/\text{mm}^3$	< 0.3 - 0.8 >
%GRA:	72.1	%	< 43.0 - 76.0 >	#GRA:	8.8 H	$10^3/\text{mm}^3$	< 1.2 - 6.8 >



RESULTS

DATE: 28/10/2020

ID : 1

TIME: 15:22

SEQ.# : 5

STARTUP PASSED

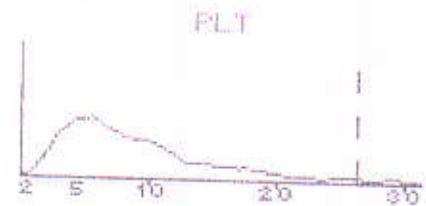
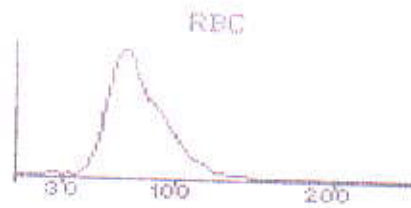
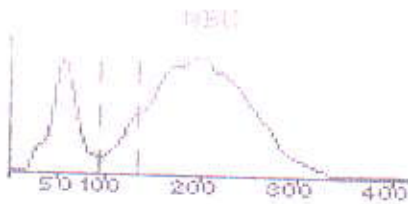
T: 20.1 Deg C

WBC :	12.3 H	$10^3/mm^3$	< 3.5 - 10.0 >	MCV :	86	μm^3	< 80 - 97 >
RBC :	3.77 L	$10^6/mm^3$	< 3.80 - 5.80 >	MCH :	26.9	pg	< 26.5 - 33.5 >
HGB :	10.1 L	g/dl	< 11.0 - 16.5 >	MCHC :	31.3 L	g/dl	< 31.5 - 35.0 >
HCT :	32.4 L	%	< 35.0 - 50.0 >	RDW :	16.0 H	%	< 10.0 - 15.0 >
PLT :	264	$10^3/mm^3$	< 150 - 390 >	MPV :	8.9	μm^3	< 6.5 - 11.0 >
PCT :	.236	%	< .100 - .500 >	PDW :	15.3	%	< 10.0 - 18.0 >

WBC Flags : G1

DIFF :

%LYM:	19.6	%	< 17.0 - 48.0 >	#LYM:	2.4	$10^3/mm^3$	< 1.2 - 1.2 >
%MON:	7.1	%	< 4.0 - 10.0 >	#MON:	0.8	$10^3/mm^3$	< 0.3 - 0.8 >
%GRA:	73.3	%	< 43.0 - 76.0 >	#GRA:	9.1 H	$10^3/mm^3$	< 1.2 - 6.8 >



RESULTS

DATE: 28/10/2020
ID : 1
SEQ.# : 2
STARTUP PASSED
T: 20.1 Deg C

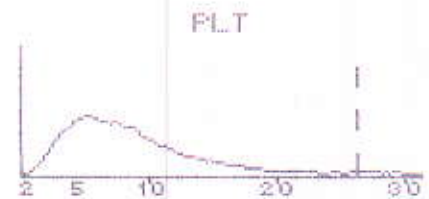
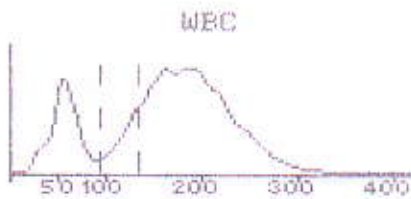
TIME: 15:15

WBC :	12.3 H	$10^3/\text{mm}^3$	< 3.5 - 10.0 >	MCV :	86	μm^3	< 80 - 97 >
RBC :	3.77 L	$10^6/\text{mm}^3$	< 3.80 - 5.80 >	MCH :	27.1	pg	< 26.5 - 33.5 >
HGB :	10.2 L	g/dl	< 11.0 - 16.5 >	MCHC :	31.5	g/dl	< 31.5 - 35.0 >
HCT :	32.5 L	%	< 35.0 - 50.0 >	RDW :	15.5 H	%	< 10.0 - 15.0 >
PLT :	270	$10^3/\text{mm}^3$	< 150 - 390 >	MPV :	8.8	μm^3	< 6.5 - 11.0 >
PCT :	.238	%	< .100 - .500 >	PDW :	16.1	%	< 10.0 - 18.0 >

WBC Flags : G1 G2

DIFF :

%LYM:	20.1	%	< 17.0 - 48.0 >	#LYM:	2.4	$10^3/\text{mm}^3$	< 1.2 - 3.2 >
%MON:	9.0	%	< 4.0 - 10.0 >	#MON:	1.1 H	$10^3/\text{mm}^3$	< 0.3 - 0.8 >
%GRA:	70.9	%	< 43.0 - 76.0 >	#GRA:	8.8 H	$10^3/\text{mm}^3$	< 1.2 - 6.8 >



RESULTS

DATE: 28/10/2020
ID :
SEQ.# : 1
STARTUP PASSED
T: 20.0 Deg C

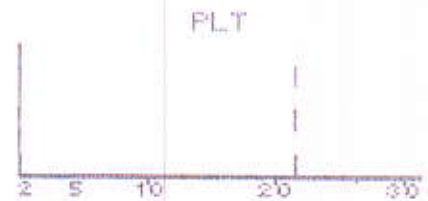
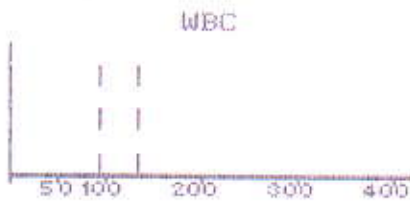
TIME: 15:03

PLT Flags : MIC

WBC :	0.0	L	$10^3/mm^3$	< 3.5 - 10.0 >	MCV :	0	L	μm^3	< 80 - 97 >
RBC :	0.00	L	$10^6/mm^3$	< 3.80 - 5.80 >	MCH :	0.0	L	pg	< 26.5 - 33.5 >
HGB :	0.0	L	g/dl	< 11.0 - 16.5 >	MCHC :	0.0	L	g/dl	< 31.5 - 35.0 >
HCT :	0.0	L	%	< 35.0 - 50.0 >	RDW :	0.0	L	%	< 10.0 - 15.0 >
PLT :	0	L	$10^3/mm^3$	< 150 - 390 >	MPV :	0.0	L	μm^3	< 6.5 - 11.0 >
PCT :	.000	L	%	< .100 - .500 >	PDW :	0.0	L	%	< 10.0 - 18.0 >

DIFF :

%LYM:	---	%	< 17.0 - 48.0 >	#LYM:	---	$10^3/mm^3$	< 1.2 - 3.2 >
%MON:	---	%	< 4.0 - 10.0 >	#MON:	---	$10^3/mm^3$	< 0.3 - 0.8 >
%GRA:	---	%	< 43.0 - 76.0 >	#GRA:	---	$10^3/mm^3$	< 1.2 - 6.8 >



at 10:40