

HORIBA

Explore the future

HORIBA India Private Limited

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http : //www.horiba.com
CIN : U73100DL2006PTC153232

HIN/MED/2021/133879

24th September 2021

CALIBRATION CERTIFICATE

This is to certify that the hematology analyzer **ABX Micros ES 60** bearing serial no: 005ESOH16385 installed at SRL LIMITED was calibrated on 24th September 2021.

Calibrator : ABX MINOCAL
Lot No. : CX462
Expiry Date : 05th October 2021

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

Next calibration cycle is due on 23rd September 2022



Shrish Dixit

(Marketing Manager)

For Horiba India Pvt Ltd

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CIN : U73100DL2006PTC153232

QC Ext. QC XB Cal QCP

Calibration result

Date: 24/09/2021 User: tech Lot number: CX462 Name: MINOCAL

Summary view

ALERTS:

Stat	WBC 10 ³ /mm ³	RBC 10 ⁶ /mm ³	HGB g/dL	HCT %	PLT 10 ³ /mm ³	MPV μm ³
Average	9.5	4.54	13.4	37.5	222	8.3
Target	9.1	4.54	13.7	39.0	236	9.0
CV	0.7	0.66	0.6	0.7	2	0.8
%BAL	4.6	0.09	2.3	3.8	6	7.9
Coef						
Old	1.05	0.79	1.27	0.94	0.99	0.90
Auto	1.00	0.79	1.30	0.98	1.05	0.98
Manu	0.98	0.80	1.29	0.98	0.99	0.91

status

Navigation icons: Home, Back, Forward, Print, Stop, Confirm, Help

24/09/2021

Date : 24/09/2021 17:03:05
User : labtech

BLANK REPORT

WBC	0.0	$10^3/\text{mm}^3$
RBC	0.00	$10^6/\text{mm}^3$
HGB	0.0	g/dl
PLT	0	$10^3/\text{mm}^3$

P-1

Blank

AXIS BANK V
 Date : 24/09/2021 17:53:06
 User : tech
QC RESULT REPORT

PID : MX432H
 Name : MX432

Complete: 24/09/2021 17:53:01
 Operator : tech

RESULT

Analyser Alarms
 Analysis Alarms

WBC 19.7 $10^3/mm^3$
 LYM% 15.8 %
 MON% 5.0 %
 GRA% 79.2 %
 LYM# 3.10 $10^3/mm^3$
 MON# 0.90 $10^3/mm^3$
 GRA# 15.70 $10^3/mm^3$

RBC 5.75 $10^6/mm^3$
 HGB 19.0 g/dl
 HCT 52.9 %
 MCV 92 μm^3
 MCH 33.1 pg
 MCHC 35.9 g/dl
 RDW-CV 12.6 %

PLT 485 $10^3/mm^3$
 MPV 7.6 μm^3

AXIS BANK V
 Date : 24/09/2021 17:54:58
 User : tech
QC RESULT REPORT

PID : MX432H
 Name : MX432

Complete: 24/09/2021 17:54:54
 Operator : tech

RESULT

Analyser Alarms
 Analysis Alarms

WBC 19.8 $10^3/mm^3$
 LYM% 15.6 %
 MON% 4.8 %
 GRA% 79.6 %
 LYM# 3.00 $10^3/mm^3$
 MON# 0.90 $10^3/mm^3$
 GRA# 15.90 $10^3/mm^3$

RBC 5.66 $10^6/mm^3$
 HGB 18.8 g/dl
 HCT 51.8 %
 MCV 92 μm^3
 MCH 33.3 pg
 MCHC 36.3 g/dl
 RDW-CV 12.7 %

PLT 504 $10^3/mm^3$
 MPV 7.9 μm^3

AXIS BANK V
 Date : 24/09/2021 17:39:43
 User : tech
QC RESULT REPORT

PID : MX430H
 Name : MX430

Complete: 24/09/2021 17:39:39
 Operator : tech

RESULT

Analyser Alarms
 Analysis Alarms

WBC 19.6 $10^3/mm^3$
 LYM% 16.3 %
 MON% 4.7 %
 GRA% 79.0 %
 LYM# 3.10 $10^3/mm^3$
 MON# 0.90 $10^3/mm^3$
 GRA# 15.60 $10^3/mm^3$

RBC 5.56 $10^6/mm^3$
 HGB 18.4 g/dl
 HCT 52.0 %
 MCV 93 μm^3
 MCH 33.1 pg
 MCHC 35.4 g/dl
 RDW-CV 12.3 %

PLT 481 $10^3/mm^3$
 MPV 8.6 μm^3

AXIS BANK V
 EXP-02-22 V/11-21 EXP-02-22
 Date : 24/09/2021 17:51:07
 User : tech
QC RESULT REPORT

PID : MX432L
 Name : MX432

Complete: 24/09/2021 17:51:02
 Operator : tech

RESULT

Analyser Alarms
 Analysis Alarms

WBC 2.0 $10^3/mm^3$
 LYM% 65.1 %
 MON% 9.8 %
 GRA% 25.1 %
 LYM# 1.30 $10^3/mm^3$
 MON# 0.10 $10^3/mm^3$
 GRA# 0.60 $10^3/mm^3$

RBC 2.32 $10^6/mm^3$
 HGB 6.1 g/dl
 HCT 16.8 %
 MCV 72 μm^3
 MCH 26.1 pg
 MCHC 36.0 g/dl
 RDW-CV 15.3 %

PLT 83 $10^3/mm^3$
 MPV 9.2 μm^3

AXIS BANK V
 EXP-02-22 V/11-21 EXP-02-22
 Date : 24/09/2021 17:48:58
 User : tech
QC RESULT REPORT

PID : MX432L
 Name : MX432

Complete: 24/09/2021 17:48:34
 Operator : tech

RESULT

Analyser Alarms
 Analysis Alarms

WBC 2.1 $10^3/mm^3$
 LYM% 64.8 %
 MON% 9.7 %
 GRA% 25.5 %
 LYM# 1.30 $10^3/mm^3$
 MON# 0.20 $10^3/mm^3$
 GRA# 0.60 $10^3/mm^3$

RBC 2.31 $10^6/mm^3$
 HGB 6.1 g/dl
 HCT 16.7 %
 MCV 72 μm^3
 MCH 26.5 pg
 MCHC 36.7 g/dl
 RDW-CV 14.9 %

PLT 82 $10^3/mm^3$
 MPV 9.4 μm^3

AXIS BANK V
 EXP-02-22 V/11-21 EXP-02-22
 Date : 24/09/2021 17:43:26
 User : tech
QC RESULT REPORT

PID : MX432L
 Name : MX432

Complete: 24/09/2021 17:43:21
 Operator : tech

RESULT

Analyser Alarms
 Analysis Alarms

WBC 1.9 $10^3/mm^3$
 LYM% 64.4 %
 MON% 9.6 %
 GRA% 26.0 %
 LYM# 1.20 $10^3/mm^3$
 MON# 0.10 $10^3/mm^3$
 GRA# 0.60 $10^3/mm^3$

RBC 2.27 $10^6/mm^3$
 HGB 6.0 g/dl
 HCT 16.5 %
 MCV 73 μm^3
 MCH 26.3 pg
 MCHC 36.2 g/dl
 RDW-CV 15.1 %

PLT 74 $10^3/mm^3$
 MPV 9.7 μm^3

P47

CONTROL

Date : 24/09/2021 17:42:15
User : labtech

PATIENT RESULT REPORT

SID : REP
PID :
Name :
First Name : Man
Type :
Department :
Local :
Complete: 24/09/2021 16:56:
11
Operator : labtech

RESULT

Analyser Alarms SCH, G3
Analysis Alarms

WBC	7.2	10 ³ /mm ³
LYM%	44.4	H
MON%	5.2	%
GRA%	50.4	%
LYM#	3.20	H
MON#	0.30	10 ³ /mm ³
GRA#	3.70	10 ³ /mm ³

RBC	4.44	10 ⁶ /mm ³
HGB	12.2	L g/dl
HCT	37.3	L %
MCV	84	um ³
MCH	27.4	pg
MCHC	32.7	g/dl
RDW-CV	15.8	H %
RDW-SD	48	um ³

PLT	112	uL 10 ³ /mm ³
MPV	10.6	uH um ³
PCT	0.118	uL %
PDW	16.7	* %

RUO Parameters for Research Use Only

Date : 24/09/2021 17:42:56
User : labtech

PATIENT RESULT REPORT

SID : REP
PID :
Name :
First Name : Man
Type :
Department :
Local :
Complete: 24/09/2021 16:52:
13
Operator : labtech

RESULT

Analyser Alarms SCH, G3
Analysis Alarms

WBC	7.2	10 ³ /mm ³
LYM%	45.1	H %
MON%	4.9	%
GRA%	50.0	%
LYM#	3.20	H
MON#	0.30	10 ³ /mm ³
GRA#	3.70	10 ³ /mm ³

RBC	4.43	10 ⁶ /mm ³
HGB	12.2	L g/dl
HCT	37.1	L %
MCV	84	um ³
MCH	27.6	pg
MCHC	32.9	g/dl
RDW-CV	15.7	H %
RDW-SD	47	um ³

PLT	112	uL 10 ³ /mm ³
MPV	11.0	uH um ³
PCT	0.124	uL %
PDW	19.3	uH %

RUO Parameters for Research Use Only

Date : 24/09/2021 17:44:07
User : labtech

PATIENT RESULT REPORT

SID : REP
PID :
Name :
First Name : Man
Type :
Department :
Local :
Complete: 24/09/2021 16:38:
24
Operator : labtech

RESULT

Analyser Alarms SCH, G3
Analysis Alarms

WBC	7.2	10 ³ /mm ³
LYM%	46.0	H %
MON%	5.1	%
GRA%	48.9	%
LYM#	3.30	H
MON#	0.30	10 ³ /mm ³
GRA#	3.60	10 ³ /mm ³

RBC	4.39	10 ⁶ /mm ³
HGB	12.0	L g/dl
HCT	36.8	L %
MCV	84	um ³
MCH	27.4	pg
MCHC	32.6	g/dl
RDW-CV	15.9	H %
RDW-SD	48	um ³

PLT	108	uL 10 ³ /mm ³
MPV	10.6	uH um ³
PCT	0.114	uL %
PDW	19.1	uH %

RUO Parameters for Research Use Only

Date : 24/09/2021 17:43:21
User : labtech

PATIENT RESULT REPORT

SID : REP
PID :
Name :
First Name : Man
Type :
Department :
Local :
Complete: 24/09/2021 16:50:
47
Operator : labtech

RESULT

Analyser Alarms SCH, G3
Analysis Alarms

WBC	7.3	10 ³ /mm ³
LYM%	45.5	H %
MON%	5.4	%
GRA%	49.1	%
LYM#	3.30	H
MON#	0.30	10 ³ /mm ³
GRA#	3.70	10 ³ /mm ³

RBC	4.46	10 ⁶ /mm ³
HGB	12.2	L g/dl
HCT	37.3	L %
MCV	84	um ³
MCH	27.3	pg
MCHC	32.7	g/dl
RDW-CV	15.6	H %
RDW-SD	47	um ³

PLT	120	uL 10 ³ /mm ³
MPV	10.9	uH um ³
PCT	0.130	uL %
PDW	19.7	uH %

RUO Parameters for Research Use Only

Date : 24/09/2021 17:45:00
User : labtech

PATIENT RESULT REPORT

SID : REP
PID :
Name :
First Name : Man
Type :
Department :
Local :
Complete: 24/09/2021 16:37:
02
Operator : labtech

RESULT

Analyser Alarms SCH, G3
Analysis Alarms

WBC	7.4	10 ³ /mm ³
LYM%	44.7	H %
MON%	5.2	%
GRA%	50.1	%
LYM#	3.20	H
MON#	0.30	10 ³ /mm ³
GRA#	3.90	10 ³ /mm ³

RBC	4.45	10 ⁶ /mm ³
HGB	12.2	L g/dl
HCT	37.2	L %
MCV	84	um ³
MCH	27.4	pg
MCHC	32.7	g/dl
RDW-CV	15.9	H %
RDW-SD	48	um ³

PLT	107	uL 10 ³ /mm ³
MPV	11.1	uH um ³
PCT	0.119	uL %
PDW	18.8	uH %

RUO Parameters for Research Use Only

P-4/2

Patient sample

Date : 24/09/2021 17:45:45
User : labtech

PATIENT RESULT REPORT

SID : REP
PID :
Name :
First Name : Man
Type :
Department :
Local :
Complete: 24/09/2021 16:35:
43
Operator : labtech

RESULT

Analyser Alarms SCH, G3
Analysis Alarms

WBC 7.2 $10^3/mm^3$
LYM% 44.3 H %
MON% 5.1 %
GRA% 50.6 %
LYM# 3.20 H $10^3/mm^3$
MON# 0.30 $10^3/mm^3$
GRA# 3.70 $10^3/mm^3$

RBC 4.36 $10^6/mm^3$
HGB 12.1 L g/dl
HCT 36.3 L %
MCV 83 μm^3
MCH 27.7 pg
MCHC 33.3 g/dl
RDW-CV 15.5 H %
RDW-SD 46 μm^3

PLT 112 μL $10^3/mm^3$
MPV 10.6 μH μm^3
PCT 0.119 μL %
PDW 18.6 μH %

RUO Parameters for Research Use Only

Date : 24/09/2021 17:46:27
User : labtech

PATIENT RESULT REPORT

SID : REP
PID :
Name :
First Name : Man
Type :
Department :
Local :
Complete: 24/09/2021 16:32:
50
Operator : labtech

RESULT

Analyser Alarms SCL, G3
Analysis Alarms

WBC 7.4 $10^3/mm^3$
LYM% 44.9 H %
MON% 5.0 %
GRA% 50.1 %
LYM# 3.30 H $10^3/mm^3$
MON# 0.30 $10^3/mm^3$
GRA# 3.80 $10^3/mm^3$

RBC 4.43 $10^6/mm^3$
HGB 12.1 L g/dl
HCT 37.2 L %
MCV 84 μm^3
MCH 27.4 pg
MCHC 32.7 g/dl
RDW-CV 16.1 H %
RDW-SD 49 μm^3

PLT 207 * $10^3/mm^3$
MPV 7.2 * μm^3
PCT 0.149 μL %
PDW 4.3 μL %

RUO Parameters for Research Use Only

Date : 24/09/2021 17:47:34
User : labtech

PATIENT RESULT REPORT

SID : REP
PID :
Name :
First Name : Man
Type :
Department :
Local :
Complete: 24/09/2021 16:30:
14
Operator : labtech

RESULT

Analyser Alarms SCL
Analysis Alarms

WBC 7.2 $10^3/mm^3$
LYM% 45.3 H %
MON% 5.0 %
GRA% 49.7 %
LYM# 3.20 H $10^3/mm^3$
MON# 0.30 $10^3/mm^3$
GRA# 3.70 $10^3/mm^3$

RBC 4.40 $10^6/mm^3$
HGB 12.1 L g/dl
HCT 36.6 L %
MCV 83 μm^3
MCH 27.5 pg
MCHC 33.1 g/dl
RDW-CV 15.6 H %
RDW-SD 46 μm^3

PLT 255 * $10^3/mm^3$
MPV 6.9 * μm^3
PCT 0.177 * %
PDW 4.7 μL %

RUO Parameters for Research Use Only

Date : 24/09/2021 17:47:05
User : labtech

PATIENT RESULT REPORT

SID : REP
PID :
Name :
First Name : Man
Type :
Department :
Local :
Complete: 24/09/2021 16:31:
27
Operator : labtech

RESULT

Analyser Alarms SCH
Analysis Alarms

WBC 7.3 $10^3/mm^3$
LYM% 45.5 H %
MON% 4.6 %
GRA% 49.9 %
LYM# 3.30 H $10^3/mm^3$
MON# 0.30 $10^3/mm^3$
GRA# 3.70 $10^3/mm^3$

RBC 4.35 $10^6/mm^3$
HGB 12.0 L g/dl
HCT 36.4 L %
MCV 84 μm^3
MCH 27.6 pg
MCHC 33.1 g/dl
RDW-CV 16.0 H %
RDW-SD 48 μm^3

PLT 122 μL $10^3/mm^3$
MPV 10.9 μH μm^3
PCT 0.132 μL %
PDW 17.6 * %

RUO Parameters for Research Use Only

Patient Sample

Date : 13/05/2022 08:40:18
User : labtech

QC RESULT REPORT

PID : MX434H
Name : MX434

Complete: 13/05/2022 08:40:
13
Operator : labtech

RESULT

Analyser Alarms Analysis Alarms

WBC	19.3	$10^3/\text{mm}^3$
LYM%	16.0	%
MON%	4.4	%
GRA%	79.6	%
LYM#	3.00	$10^3/\text{mm}^3$
MON#	0.80	$10^3/\text{mm}^3$
GRA#	15.50	$10^3/\text{mm}^3$

RBC	5.72	$10^6/\text{mm}^3$
HGB	18.7	g/dl
HCT	52.0	%
MCV	91	μm^3
MCH	32.7	pg
MCHC	36.0	g/dl
RDW-CV	12.1	%

PLT	520	$10^3/\text{mm}^3$
MPU	8.0	μm^3

Date : 13/05/2022 08:31:59
User : labtech

QC RESULT REPORT

PID : MX434N
Name : MX434

Complete: 13/05/2022 08:31:
54
Operator : labtech

RESULT

Analyser Alarms Analysis Alarms

WBC	7.4	$10^3/\text{mm}^3$
LYM%	33.9	%
MON%	5.6	%
GRA%	60.5	%
LYM#	2.50	$10^3/\text{mm}^3$
MON#	0.40	$10^3/\text{mm}^3$
GRA#	4.50	$10^3/\text{mm}^3$

RBC	4.45	$10^6/\text{mm}^3$
HGB	13.2	g/dl
HCT	36.1	%
MCV	81	μm^3
MCH	29.7	pg
MCHC	36.5	g/dl
RDW-CV	13.1	%

PLT	259	$10^3/\text{mm}^3$
MPU	8.2	μm^3

Handwritten signature
13/05/22