



CALIBRATION CERTIFICATE

CUSTOMER NAME & ADDRESS

15.09.2023

TAMBARAM MEDICAL CENTER,
30, Bharathamadha Street,
East Tambaram,
Chennai- 600059

JOB DONE	EQUIPMENT	MANUFACTURER & MODEL	EQUIPMENT SERIAL NO	DATE OF INSPECTION
CALIBRATION	HEMATOLOGY ANALYZER	ERBA/H560	K1104B2145274	15.09.2023

This is to certify that the above said instrument is verified.

For TRANSASIA BIOMEDICALS LTD,


SIVA .S

Sr. Service Engineer



Logs - Blank

Date/Time	Operator	Status	WBC (10 ³ /μL)	RBC (10 ⁶ /μL)	HGB (g/dL)	PLI (10 ³ /μL)
07/25/2023 07 01 18 AM	Auto	●	0.00	0.00	0.0	1
07/25/2023 07 03 52 AM	LAB	●	0.00	0.00	0.0	0
07/25/2023 08 05 34 AM	LAB	●	0.00	0.00	0.0	0
07/25/2023 08 31 24 PM	LAB	●	0.00	0.00	0.0	0
07/25/2023 09 24 40 PM	LAB	●	0.01	0.00	0.0	1
07/25/2023 11 32 18 PM	LAB	●	0.01	0.00	0.0	1
07/26/2023 08 15 56 AM	LAB	●	0.00	0.00	0.0	0
07/27/2023 08 09 29 AM	LAB	●	0.00	0.00	0.0	1
07/27/2023 05 09 48 PM	technician	●	0.13	0.01	0.0	17
07/27/2023 05 17 02 PM	technician	●	0.06	0.01	0.0	19
07/27/2023 05 16 28 PM	technician	●	0.03	0.00	0.0	5

Parameters 0.03 0.00 0.0.5

Status PASSED

Repeatability

	WBC	RBC	HGB	HCT	PLT	MCV
Min	5.01	4.40	13.5	38.2	184	85.8
Max	5.26	4.54	13.7	39.7	213	87.5
Mean	5.15	4.47	13.6	39.0	202	87.2
Difference	0.25	0.14	0.1	1.4	29	0.7
2 SD	0.14	0.10	0.1	1.0	16	0.4
CV(%)	1.37	1.13	0.34	1.23	4.04	0.25

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Run Date & Time	WBC 10 ³ /μL	RBC 10 ⁶ /μL	HGB g/dL	HCT %	PLT 10 ³ /μL	MCV μm ³
07/27/2023 05:20:59 PM	5.16	4.45	13.6	38.7	213	87.0
07/27/2023 05:24:23 PM	5.01	4.45	13.5	38.9	200	87.4
07/27/2023 05:25:49 PM	5.10	4.52	13.6	39.4	211	87.3
07/27/2023 05:27:06 PM	5.17	4.43	13.6	38.7	209	87.4
07/27/2023 05:28:22 PM	5.20	4.52	13.7	39.6	206	87.4
07/27/2023 05:29:55 PM	5.16	4.54	13.7	39.7	200	87.3
07/27/2023 05:31:44 PM	5.18	4.52	13.7	39.4	201	87.3
07/27/2023 05:33:20 PM	5.24	4.40	13.7	38.4	196	87.3
07/27/2023 05:34:44 PM	5.11	4.51	13.7	39.3	202	87.0

Repeatability

	MCV	RDW-CV	RDW-SD	P-LCR	HEUM%	LYM%
Min	86.8	12.9	44.5	21.7	39.2	47.2
MAX	91.5	13.1	46.2	24.4	47.8	50.3
Mean	87.2	13.1	45.8	23.4	40.6	48.8
Difference	0.7	0.5	1.7	2.7	4.5	3.1
2 SD	0.4	0.3	1.2	1.6	2.5	2.2
CV(M)	0.26	1.03	1.26	14.7	11.1	2.35

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Run Date & Time	MCV μm^3	RDW-CV %	RDW-SD μm^3	P-LCR %	HEUM% %	LYM% %
01/21/2023 05:20:59 PM	87.0	13.3	46.2	23.6	39.8	48.3
01/21/2023 05:24:23 PM	87.4	13.0	45.4	23.7	42.8	47.2
01/21/2023 05:25:49 PM	87.3	13.2	46.2	23.8	39.2	48.8
01/21/2023 05:27:06 PM	87.4	13.2	46.2	23.4	38.2	50.9
01/21/2023 05:28:22 PM	87.4	13.1	46.2	24.4	40.2	48.9
01/21/2023 05:29:56 PM	87.3	13.1	46.2	23.8	40.0	48.5
01/21/2023 05:31:44 PM	87.3	13.0	45.4	21.7	42.9	48.2
01/21/2023 05:33:20 PM	87.3	13.2	46.2	22.1	40.5	47.3
01/21/2023 05:34:44 PM	87.9	13.9	45.4	24.9	40.8	48.4

Repeatability

	NEU%	LYM%	MON%	EOS%	BAS%	LIC%
Nin	38.2	47.2	3.3	4.7	1.0	0.5
Max	42.8	50.9	4.5	6.6	1.7	1.0
Mean	40.6	48.8	4.0	5.3	1.4	0.7
Difference	4.6	3.7	1.2	1.9	0.7	0.5
2 SD	2.5	2.2	0.7	1.1	0.5	0.3
CV(%)	3.13	2.30	8.39	10.35	17.44	23.90

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Run Date & Time	NEU% %	LYM% %	MON% %	EOS% %	BAS% %	LIC% %
07/27/2023 05:20:59 PM	39.8	49.3	3.8	5.5	1.6	0.7
07/27/2023 05:24:23 PM	42.8	47.2	4.1	4.9	1.0	0.8
07/27/2023 05:25:49 PM	39.2	49.9	4.0	5.2	1.7	0.8
07/27/2023 05:27:06 PM	38.2	50.9	4.5	4.9	1.5	0.7
07/27/2023 05:28:22 PM	40.7	48.9	4.3	4.7	1.4	0.9
07/27/2023 05:29:55 PM	40.0	49.5	4.0	5.2	1.3	1.0
07/27/2023 05:31:44 PM	40.9	48.7	3.9	5.2	1.3	0.5
07/27/2023 05:33:20 PM	40.5	47.3	3.9	6.6	1.7	0.5
07/27/2023 05:34:44 PM	40.6	48.4	4.0	5.8	1.2	0.5

Calibration

Calibrator Information

Sample ID **CX484**
 Lot number **CX484**

Name **ADX MINOCAL**

Exp. date **08/05/2023**
 Modified on

Coefficients	WBC	RBC	HGB	HCT	PLT	MPV
	New	1 090	0 980	1 005	1 044	1 090
Current	1 141	0 977	1 011	1 047	1 036	1 016
Target	8 80	4 57	13 2	38 6	253	10 4
Mean	9 21	4 52	13 3	38 1	239	10 3
CV(%)	1 62	1 76	0 38	1 96	3 57	1 60

Selected runs (5 minimum) **21/21**

Run Date & Time	WBC (10 ³ /µL)	RBC (10 ⁶ /µL)	HGB (g/dL)	HCT (%)	PLT (10 ³ /µL)	MPV (fL)
<input checked="" type="checkbox"/> 07/27/2023 06:17:06 PM	9 10 h	4 51 l	13 3	38 1	238 l	10 4
<input checked="" type="checkbox"/> 07/27/2023 06:18:38 PM	8 95	4 57	13 3	38 5	224 l	10 2
<input checked="" type="checkbox"/> 07/27/2023 06:20:09 PM	9 17 h	4 59	13 2	38 8	255	10 4
<input checked="" type="checkbox"/> 07/27/2023 06:21:41 PM	9 08 h	4 65 h	13 2	39 2	242 h l	10 3
<input checked="" type="checkbox"/> 07/27/2023 06:23:10 PM	9 26 h	4 47 l	13 3	37 6	244	10 5
<input checked="" type="checkbox"/> 07/27/2023 06:25:04 PM	9 31 h	4 56	13 3	38 4	244	10 1
<input checked="" type="checkbox"/> 07/27/2023 06:29:41 PM	9 09 h	4 51 l	13 3	38 1	233 l	10 3

QUAL COMM HEAD SYS1



07/27/2023 Technician

READY

07/27/2023 06:29:41 PM

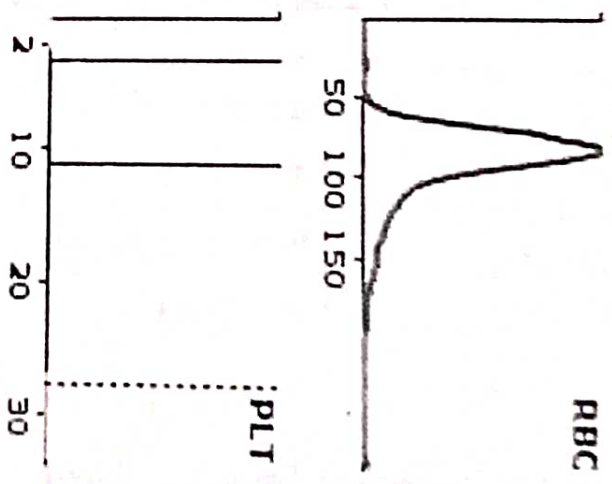
Sample ID
Lot number

PX442H
PX442H

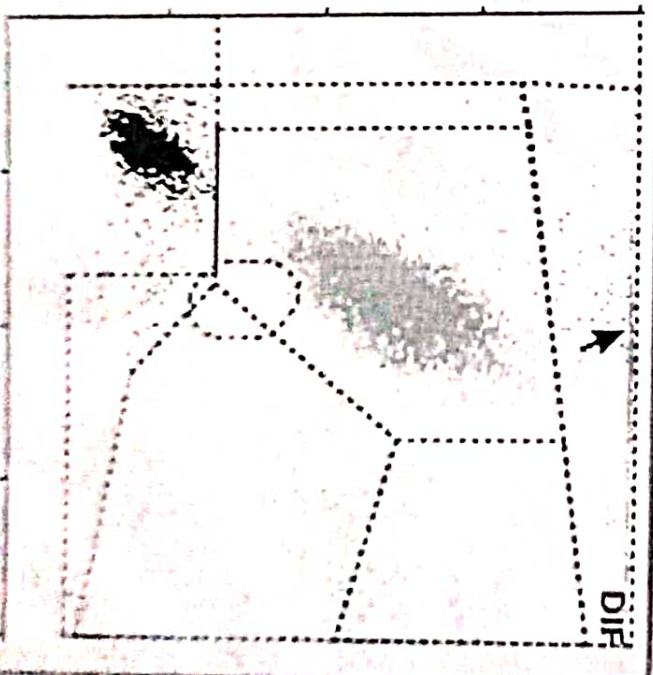
Level High
Name ABX DIFFROL

Exp. date 09/05/2023
Run date 07/27/2023 06:

RBC	5.39	$10^9/\mu\text{L}$	PLT	503	$10^3/\mu\text{L}$
HGB	16.2	g/dL			
HCT	50.6	%	MPV	9.7	μm^3
MCV	93.9	μm^3			
MCH	30.1	pg			
MCHC	32.0	g/dL			
RDW-CV	13.2	%			
RDW-SD	48.7	μm^3			



WBC	17.18	$10^3/\mu\text{L}$			
	#	%			
NEU	12.97	75.6			
LYM	3.12	18.1			
MON	0.31	1.8			
EOS	0.76	4.4			
BAS	0.02	0.1			

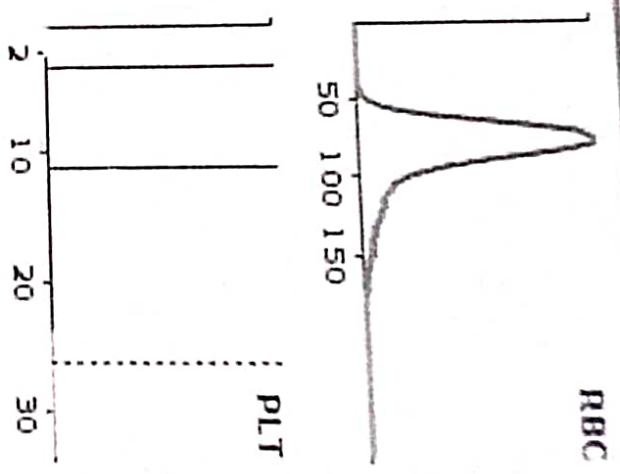


Sample ID PX442N
 Lot number PX442N

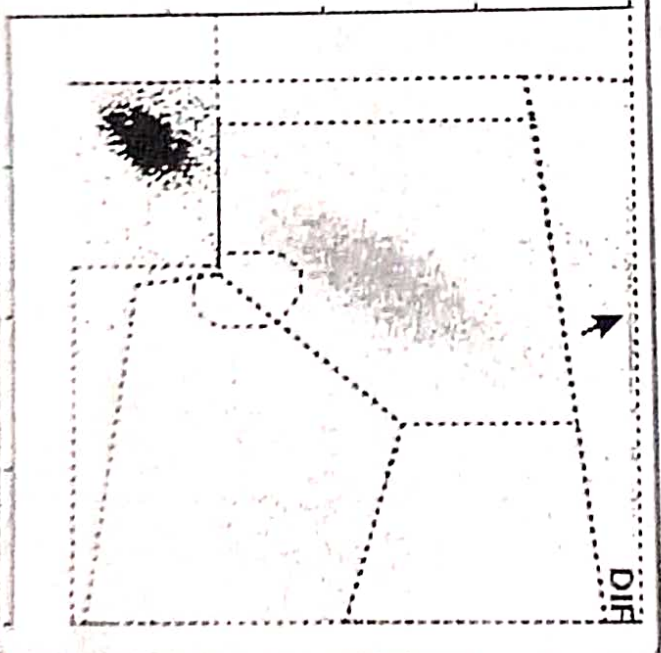
Level Normal
 Name ABX DIFFTROL

Exp. date 09/05/2023
 Run date 07/27/2023 06:38:11 PM

RBC	4.57	$10^9/\mu\text{L}$	PLT	277	$10^9/\mu\text{L}$
HGB	13.2	g/dL			
HCT	39.8	%	MPV	9.6	μm^3
MCV	87.2	μm^3			
MCH	28.9	pg			
MCHC	33.1	g/dL			
RDW-CV	12.3	%			
RDW-SD	42.8	μm^3			



WBC	8.08	$10^9/\mu\text{L}$		
			#	%
NEU	4.32		53.5	
LYM	3.11		38.4	
MON	0.39		4.9	
EOS	0.24		3.0	
BAS	0.02		0.2	



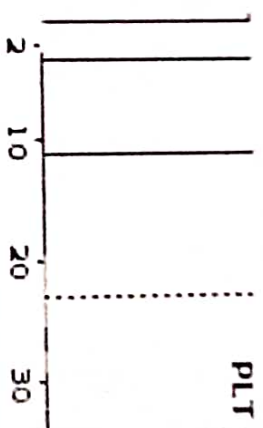
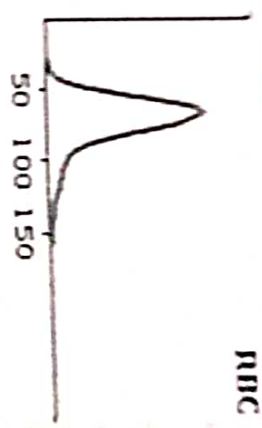
LAST RUN: 07/27/2023 06:40:04 PM - DIF

Sample ID: PX442L
Lot number: PX442L

Level: Low
Name: ANX DIF 1101

Exp. date: 09/05/2023
Run date: 07/27/2023 06:40:04 PM

RBC	2.38	10 ⁹ /μL	PLT	72	10 ⁹ /μL
HGB	5.9	g/dL			
HCT	18.3	%	MPV	9.0	μm ³
MCV	77.0	μm ³			
MCH	24.9	pg			
MCHC	32.3	g/dL			
RDW-CV	15.0	%			
RDW-SD	46.2	μm ³			



WBC	2.86	10 ³ /μL	#	%
NEU	1.51		52.8	
LYM	0.96		33.6	
MON	0.12		4.3	
EOS	0.20		6.9	
BAS	0.07		2.4	

