



Date:
Effective Date:

Certificate of Calibration

Customer Name: Redcliffe Labs

Model : Automated Hematology Analyzer Elite 580

Serial No. : K11052133018

Calibration Done Date: 16.2.23

Next Calibration Due Date On or Before: 25/02/2024

Lab In-charge: Ravishankar Dubey

This is to certify that the above-mentioned product has been verified of calibration for CBC 5 parameters (WBC, RBC, HGB, MCV and PLT) according to the standard procedures provided by Erba Lachema s.r.o, Karasek.

Calibration at site performed by
Engineer Name Varun Kumar
Designation Sr. Service Engg
Transasia Bio-Medicals Ltd
Location Patna

Encl:

1. Certificate of Inspection
2. Assay Sheet of Hematology Calibrator (H Cal)
3. Printouts
4. Traceability Document



Date: 16/02/2023
Effective Date: 16/02/2023
UNMATCHED SERVICE

Certificate of Inspection

1. Model: Automated Hematology Analyzer Elite 580
2. Serial No.: K11052133018
3. Calibration Date: 16/02/2023
4. Material used: H Cal (Lot No. PLUS0223, Expiry date: 10-Mar-2023)

By comparing your data to the results of the standard counters in Erba Lachema, the calibration for CBC 5 parameters using the measurement standard material (H Cal) was completed. The calibration result of 5 runs is summarized in the following table. Please refer to the attached sheets for the details.

Technical Service Department
Transasia Bio-Medicals Ltd



UNMATCHED SERVICE
SINCE 1979...

5. BACKGROUND CHECK

PARAMETER	RESULT	Range
WBC	0.0	0.3×10^3 /UI or Less
RBC	0.00	0.02×10^6 /uL or Less
HGB	0.0	0.1 g/dL or Less
PLT	0	10×10^3 /uL or Less

Technical Service Department
Transasia Bio-Medicals Ltd

Calibrator

Lot No.: PLUS0223
 Calibration Mode: Whole Blood

Exp. Date: 2023/03/10
 Print Time: 2023/02/16 15:15:48

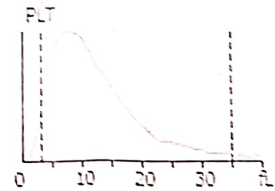
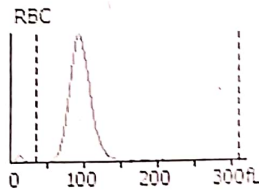
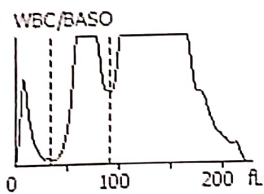
PARA.	WBC	RBC	HGB	MCV	PLT	MPV
Target	9.16	4.63	13.5	84.7	251	10.2
1	9.48	4.58	13.8	86.5	294	10.4
2	9.55	4.57	13.8	86.6	275	10.1
3	9.49	4.57	13.8	86.9	276	10.1
4	9.51	4.57	13.9	86.8	284	10.2
5	9.34	4.54	13.8	86.9	274	10.1
6	9.63	4.55	13.8	86.8	292	10.2
7	9.36	4.57	13.8	86.6	267	10.0
8	9.40	4.52	13.7	86.8	270	10.1
9	9.46	4.59	13.8	86.5	264	10.1
10	9.45	4.56	13.9	86.8	263	10.1
11	9.50	4.57	13.8	86.9	266	10.0
12	9.49	4.57	13.9	86.6	255	10.0
CBC-Mean	9.500	4.563	13.82	86.75	282.5	10.18
DIFF-Mean	9.443	4.563	13.82	86.70	264.2	10.05
CBC-CV(%)	1.0	0.3	0.3	0.2	3.1	1.1
DIFF-CV(%)	0.6	0.5	0.5	0.2	1.9	0.5
CBC Cal. Coefficient(%)	96.42	101.47	97.68	97.64	88.85	100.20
DIFF Cal. Coefficient (%)	97.00	101.47	97.68	97.69	95.00	101.49
Transfer Coefficient	0.9940	1.0000	1.0000	0.9995	0.9353	0.9873



L-J QC Analysis

File No.: 23	Lot No.: HEM00026	Level: High
Operator: admin	Exp. Date: 2023/03/10	Run Time: 2023/03/11 08:30
Print Time: 2023/03/11 08:31	QC Mode: Whole Blood-CBC+DIFF	QC Sample ID:

Parameter	Result	Ref. Range	Unit
1 WBC	17.41	15.22-20.22	10 ³ /uL
2 Neu%	69.6	58.6-72.6	%
3 Lym%	20.2	14.5-26.5	%
4 Mon%	7.0	0.5-12.5	%
5 Eos%	3.2	0.4-14.4	%
6 Bas%	81.4	72.6-88.6	%
7 Neu#	12.12	10.22-13.02	10 ³ /uL
8 Lym#	3.52	2.53-4.73	10 ³ /uL
9 Mon#	1.22	0.05-2.25	10 ³ /uL
10 Eos#	0.55	0.01-2.61	10 ³ /uL
11 Bas#	14.17	12.78-15.78	10 ³ /uL
12 RBC	5.21	4.78-5.78	10 ⁶ /uL
13 HGB	16.3	15.9-17.5	g/dL
14 HCT	49.6	45.0-53.0	%
15 MCV	95.1	86.8-98.8	fL
16 MCH	31.2	29.2-34.2	pg
17 MCHC	32.8	31.8-37.8	g/dL
18 RDW-CV	14.9	13.2-19.2	%
19 RDW-SD	52.0	40.6-64.6	fL
20 PLT	468	427-547	10 ³ /uL
21 MPV	9.7	7.0-13.0	fL
22 PDW-SD	11.8	9.1-15.1	fL
23 PDW-CV	16.0	12.8-18.8	%
24 PCT	0.453	0.287-0.687	%
25 P-LCR	24.0	17.5-33.5	%
26 P-LCC	112	89-159	10 ⁹ /L



B. Bishu

*Passing singl
11/03/23*

L-J QC Analysis

File No.: 22	Lot No.: HEM00025	Level: Normal
Operator: admin	Exp. Date: 2023/03/10	Run Time: 2023/03/11 08:29
Print Time: 2023/03/11 08:30	QC Mode: Whole Blood-CBC+DIFF	QC Sample ID:

Parameter	Result	Ref. Range	Unit
1 WBC	8.29	6.96-8.96	10 ³ /uL
2 Neu%	61.6	48.2-64.2	%
3 Lym%	29.3	23.3-39.3	%
4 Mon%	7.2	1.4-11.4	%
5 Eos%	1.9	0.1-12.1	%
6 Bas%	71.3	61.8-77.8	%
7 Neu#	5.11	3.77-5.17	10 ³ /uL
8 Lym#	2.43	1.79-3.19	10 ³ /uL
9 Mon#	0.60	0.01-1.01	10 ³ /uL
10 Eos#	0.15	0.00-0.98	10 ³ /uL
11 Bas#	5.91	4.85-6.25	10 ³ /uL
12 RBC	4.55	4.31-4.79	10 ⁶ /uL
13 HGB	13.0	12.6-13.8	g/dL
14 HCT	40.2	36.0-42.0	%
15 MCV	88.3	80.6-90.6	fL
16 MCH	28.5	26.5-31.5	pg
17 MCHC	32.3	31.6-37.6	g/dL
18 RDW-CV	16.1	14.0-20.0	%
19 RDW-SD	52.2	41.3-61.3	fL
20 PLT	257	222-302	10 ³ /uL
21 MPV	9.6	6.6-12.6	fL
22 PDW-SD	11.5	8.4-14.4	fL
23 PDW-CV	16.2	12.7-18.7	%
24 PCT	0.247	0.151-0.351	%
25 P-LCR	23.6	15.7-31.7	%
26 P-LCC	61	37-87	10 ⁹ /L

