

CERTIFICATE OF CALIBRATION, QUALITY CONTROL AND MAINTENANCE

To,
Isha Diagnostic Laboratory.
Banglore, Karnataka.

This is to certify that the instrument *Eurocount 5L* Serial No. *862406062IEJCP* is under Calibration. Quality control check up of the instrument has been the responsibility of **MEDSOURCE OZONE BIOMEDICALS PVT. LTD.**

Date of Calibration : *31st/07/2024.*

Calibration & quality control checks as recommended by the manufacturers in operator manual are being performed regularly and satisfactorily.

This calibration certificate is valid up to:- 30th/07/2025.

For Medsource Ozone Biomedicals Pvt. Ltd.




Sherin Joseph
National Service Manager
Medsource Ozone Biomedicals Pvt. Ltd.

Auto Calib. Analysis Details Archives Work List L-J QC Maint. Diluent Exit

Calibrator: Calibrator Lot No.: CBCP-06072 Expiry Date: 31-07-2024 Sample Type: Whole blood

	WBC	RBC	HGB	MCV	PLT	MPV
Target values	7.61	4.29	12.3	80.3	188	8.9
1	7.75	4.43	13.5	80.3	210	8.7
2	7.94	4.47	13.5	80.3	214	9.1
3	7.82	4.43	13.4	80.5	214	8.8
4	7.97	4.47	13.6	80.1	217	8.8
5	7.75	4.44	13.6	80.3	211	8.6

Old coef.	0.99	1.02	1.04	0.98	0.98	0.99
Mean	7.85	4.45	13.52	80.30	213.20	8.80
SD	0.1	0.0	0.1	0.1	2.8	0.2
CV(%)	1.3	0.5	0.6	0.2	1.3	2.1
New coef.	0.96	0.98	0.95	0.98	0.86	1.00

Setup(T) Save(S)

Service Engineer: 5x3041 Please press Aspirate Key to start calibration analysis! 31/07/2024 17:44:08




Sherin Joseph
National Service Manager
Medsource Ozone Biomedicals Pvt. Ltd

Medsource Ozone Biomedicals Pvt. Ltd.

Head Office: Plot No. 109, HSIIDC, Sector-31, Faridabad-121003, (Haryana), INDIA
 Registered Office: 238, Sant Nagar, East of Kailash, New Delhi-110065, INDIA
 Telephone: +91-129-4286600 | E-mail: mail@ozonebio.com | Website: www.ozonebio.com
 CIN:U85100DL2003PTC120213

Traceability

CAL-5 5-part haematology calibrator values are traceable to standard reference methods.

Haematology analyzers in Medsource Ozone Biomedical's quality assurance laboratory are calibrated using whole blood samples collected from normal, healthy donors in EDTA anticoagulant, and analyzed within six hours of collection.

White Blood Cell (WBC) and Red Blood Cell (RBC) counts are analysed on a Humacount5D instrument, corrected for coincidence.

Hemoglobin is measured using the hemoglobincyanide (cyanmethemoglobin) method with Clinical Laboratory Standards Institute (CLSI)-recommended reagents. Readings are taken at 540 nm in a colorimeter/spectrophotometer calibrated according to CLSI H15-A3 and ICSH recommendations.

Hematocrit (packed cell volume) is measured using plain glass microhematocrit tubes (not coated with anticoagulant) centrifuged for 5 minutes in a microhematocrit centrifuge according to CLSI H7-A3 guidelines (2). No correction is made for trapped plasma.

Platelets are assayed using a hemocytometer and phase contrast optics.

Authorised Signatory



Sherin Joseph
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CBCTROL PLUS(Hematology Control)**ASSAY VALUES AND EXPECTED RANGES****LOT NO : CBCP-060724****Expiry : 28-09-2024**

Instruments	EUROCOUNT 5L								
PARAMETER	CONTROL LOW				CONTROL NORMAL				MEAN
	MEAN	Range variation			MEAN	Range variation			
WBC	2.58	2.06	-	3.10	7.41	6.15	-	8.67	17.17
NEU%	39.6	29.70	-	49.50	43.2	30.24	-	56.16	62.8
LYM%	57	28.50	-	85.50	53.1	26.55	-	79.65	27.2
MON%	1.3	0.00	-	2.60	1.9	0.00	-	3.80	4.1
EOS%	1.7	0.00	-	3.40	1.5	0.00	-	3.00	2.6
BAS%	0.4	0.00	-	0.80	0.3	0.00	-	0.60	3.1
NEU#	1.02	0.77	-	1.28	3.2	2.24	-	4.16	10.78
LYM#	1.48	0.74	-	2.22	3.94	1.97	-	5.91	4.71
MON#	0.03	0.00	-	0.06	0.14	0.00	-	0.28	0.7
EOS#	0.04	0.00	-	0.08	0.11	0.00	-	0.22	0.45
BAS#	0.01	0.00	-	0.02	0.02	0.00	-	0.04	0.53
RBC	2.32	2.00	-	2.64	4.25	3.83	-	4.68	5.08
HGB	6.6	5.94	-	7.26	12.2	10.98	-	13.42	15.6
MCHC	370	325.60	-	414.40	356	313.28	-	398.72	356
MCH	28.2	23.97	-	32.43	28.7	25.26	-	32.14	30.7
MCV	76.1	68.49	-	83.71	80.5	72.45	-	88.55	86.3
RDW-CV	16.6	11.62	-	21.58	16.8	11.76	-	21.84	17.3
RDW-SD	48.9	41.57	-	56.24	51.1	43.44	-	58.77	56.4
HCT	17.7	15.58	-	19.82	34.2	30.10	-	38.30	43.9
PLT	57	34.20	-	79.80	199	143.28	-	254.72	374
MPV	8.7	6.09	-	11.31	8.8	6.16	-	11.44	9.3
PDW	15	9.75	-	20.25	17.7	12.39	-	23.01	18
PCT	0.05	0.04	-	0.07	0.175	0.11	-	0.24	0.349
P-LCR	22.8	15.96	-	29.64	23	13.80	-	32.20	27.4
P-LCC	13	9.10	-	16.90	46	27.60	-	64.40	102

MEDSOURCE OZONE BIOMEDICALS PVT. LTD.**PLOT NO. 109, HSIIDC, SECTOR-31, FARIDABAD, HARYANA (INDIA)- 121003****[Ph-91-129-4286600, Website :www.ozonebio.com](http://www.ozonebio.com)**

CONTROL HIGH

Range variation		
14.25	-	20.09
49.61	-	75.99
13.60	-	40.80
0.00	-	8.20
0.00	-	5.20
0.00	-	6.20
8.52	-	13.04
2.36	-	7.07
0.00	-	1.40
0.00	-	0.90
0.00	-	1.06
4.57	-	5.59
14.04	-	17.16
313.28	-	398.72
27.02	-	34.38
77.67	-	94.93
12.11	-	22.49
47.94	-	64.86
38.63	-	49.17
314.16	-	433.84
6.98	-	11.63
12.60	-	23.40
0.24	-	0.45
19.18	-	35.62
71.40	-	132.60