

## CALIBRATION CERTIFICATE

**Customer Name** : Leelavathi Multispeciality Hospital  
#7,2nd Main Road,  
Chamarajapet, Bangalore-560018

**Instrument Model** : Orphee Mythic 18- Fully Automated 3 Part Haematology Analyser

**Instrument Serial No.** : 100221-011958

**Calibration Done On** : 24/04/2023

**Calibration Due On** : 23/04/2024

THE FOLLOWING CHECKS AND SETUPS ARE CARRIED OUT FOR ORPHEE MYTHIC 18- FULLY  
AUTOMATED 3 PART HAEMATOLOGY ANALYSER FOR CALIBRATION CERTIFICATE.

### SAMPLE TEST FIRST TIME

PARAMETER	MEASURED	MEAN	+/- RANGE
RBC	2.11	4,07	0,18
MCV	87.9	83,1	5,0
RDW%	19.0	13,9	6,0
HCT	18.6	14,8	4,0
PLT	121	100	25
MPV	10.4	11,7	1,5
WBC	3.5	3,6	0,3
HGB	6.1	5,5	0,6
MCH	29.0	25,7	3,5
MCHC	33.0	36,6	4,0
LYM%	36.1	45,1	7,0
MID%	7.2	1.8	5,0
GRAN%	56.7	53,1	7,0
LYM	1.2	1,6	0,4
MID	0.2	1,8	5,0
GRAN	2.1	1,9	0,8

**REPEATABILITY SAMPLE SECOND TIME**

PARAMETER	MEASURED	MEAN	+/- RANGE
RBC	2.11	4,07	0,18
MCV	87.9	83,1	5,0
RDW%	19.0	13,9	6,0
HCT	18.6	14,8	4,0
PLT	121	100	25
MPV	10.4	11,7	1,5
WBC	3.5	3,6	0,3
HGB	6.1	5,5	0,6
MCH	29.0	25,7	3,5
MCHC	33.0	36,6	4,0
LYM%	36.1	45,1	7,0
MID%	7.2	1.8	5,0
GRAN%	56.7	53,1	7,0
LYM	1.2	1,6	0,4
MID	0.2	1,8	5,0
GRAN	2.1	1,9	0,8

**CHECK FOR BACKGROUND RESULT**

PARAMETER	RESULT
RBC	0.00
PLT	1
WBC	0.0
HGB	0.0

PARAMETER	RESULTS	RANGE (MMOL/L)	+/- RANGE
WBC	3.3	3.3	0.4
LYM	1.9	1.9	0.2
MON	0.4	0.4	0.2
GRA	0.9	1.0	0.5
LYM%	58.5	57.9	4.0
MDN%	12.9	12.5	4.0
GRA%	28.6	29.6	5.0
RBC	2.33	2.39	0.15
HCB	5.8	6.1	0.4
HCT	19.5	19.4	2.7
MCV	83.7	81.2	6.0
MCH	24.9	25.5	3.3
MCHC	29.7	31.4	6.5
RDWC	17.0	15.3	2.0
PLT	55	58	18
MPV	9.7	9.3	2.0

Bio-Rad QC Normal

Level -2

Lot No: 82222

EXP:

PARAMETER	RESULTS	RANGE (MMOL/L)	+/- RANGE
WBC	9.6	9.6	1.0
LYM	4.7	4.7	0.3
MON	0.9	0.9	0.4
GRA	4.1	4.0	1.3
LYM%	48.5	49.4	3.0
MDN%	8.9	8.9	3.0
GRA%	42.6	41.7	5.0
RBC	4.27	4.25	0.18
HCB	12.4	12.3	0.5
HCT	39	38.4	3.3
MCV	91.3	90.4	4.0
MCH	29	28.9	2.4
MCHC	31.8	32.0	4.1
RDWC	15.2	13.9	2.2
PLT	204	224	35
MPV	10.2	9.5	2.0

Bio-Rad QC High

Level -3

Lot No: 82223


EXP:

PARAMETER	RESULTS	RANGE (MMOL/L)	+/- RANGE
WBC	20.2	20.1	2.0
LYM	8.0	8.0	0.7
MON	1.2	1.1	0.8
GRA	11.0	11.0	2.6
LYM%	39.6	39.7	3.0
MDN%	5.8	5.5	3.0
GRA%	54.6	54.8	4.0
RBC	5.16	5.13	0.20
HCB	16.7	16.5	0.6
HCT	51.7	50.8	4.0
MCV	100.2	99.0	4.0
MCH	32.4	32.2	2.4
MCHC	32.3	32.5	3.8
RDWC	14.5	12.9	2.5
PLT	450	456	60
MPV	10.1	9.6	2.0

REMARKS: ALL MEASURED VALUE IS WITHIN THE TARGET RANGE FOR BACKGROUND AND SAMPLE

**JK BIOMED**

Name : Mr Murugan S

Signature : 

Designation : SERVICE MANAGER

Date : 24/04/2023