

Instrument : Horiba ABX Micros ES 60

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Erythrocyte (RBC) Count	mill/cu.mm	1.02	1.07	-0.18	-0.24
! Total Leucocytes (WBC) count	/c.mm	2500.00	2460.00	2.32	2.27
@ Haemoglobin	g/dL	2.80	2.83	0.42	0.44
@ MCV (Mean Corpuscular Volume)	fL	120.00	110.70	-0.47	-0.28
@ MCH (Mean Corpuscular Hb)	pg	27.60	27.74	0.63	0.62
@ MCHC (Mean Corpuscular Hb Concentration)	g/dL	23.10	23.10	1.12	0.86
@ Platelet Count	1000/ $\mu$ L	91.00	84.80	0.68	0.34
@ Hematocrit	%	12.20	12.18	-0.57	-0.42
@ RDW CV%	%	30.10	26.08	1.67	1.78

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

X : z score  $\geq$ 3 - Unacceptable

# : Not Evaluated

⊙ : Delayed Result Entry

\* : Not considered for evaluation.

Total Parameters	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	0
EQAS Score Haematology - CBC	100.00 %

DK Nigam

Dr Puneet Kumar Nigam  
PT coordinator & Technical Manager, MHL EQAS  
Unit No. 409-416,  
Commercial Building - 1A  
Kohinoor Mall, Kiroi Road, Kurta (W),  
Mumbai - 400070

*Dr Subhash Parmanan*  
Consultant Pathologist

Analyte	Instrument	Result Value	Standard Unit	Z-Score
Total Leucocytes (WBC) count	Horiba ABX Micros ES 60	2500.00	1000/ $\mu$ L	2.32
Legend @ : z score $\leq$ 2.0 - Acceptable   : 2.0 < z score < 3.0 - Warning X : z score $\geq$ 3 - Unacceptable # : Not Evaluated ⊙ : Delayed Result Entry * : Not considered for evaluation.				

Problem Classification: All parameters within acceptable range  
Z score  $\leq$  2 except Total Leucocyte (WBC)  
showing warning.

Corrective Action: QC is accepted for the Month of  
Nov. and December report attached.

Reviewed by: \_\_\_\_\_ Dated: 20.12.2023

Sarth  
Dr. Subhash Parman  
Consultant Pathologist

A Kartana

Buapat.

(w)

Instrument : Horiba ABX Micros ES 60

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Erythrocyte (RBC) Count	mill/cu.mm	1.44	1.50	-0.30	-0.24
! Total Leucocytes (WBC) count	/c.mm	4500.00	4400.00	2.21	2.27
@ Haemoglobin	g/dL	4.20	4.30	0.46	0.44
@ MCV (Mean Corpuscular Volume)	fL	124.00	113.20	-0.09	-0.28
@ MCH (Mean Corpuscular Hb)	pg	29.00	29.30	0.60	0.62
@ MCHC (Mean Corpuscular Hb Concentration)	g/dL	23.50	24.10	0.60	0.86
@ Platelet Count	1000/ $\mu$ L	143.00	145.80	-0.01	0.34
@ Hematocrit	%	17.80	17.50	-0.27	-0.42
@ RDW CV%	%	27.90	22.30	1.89	1.78

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

X : z score  $\geq$ 3 - Unacceptable

# : Not Evaluated

⊙ : Delayed Result Entry

\* : Not considered for evaluation.

Total Parameters	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	0
EQAS Score Haematology - CBC	100.00 %

*Sun*  
*Dr Subhash Parmar*  
*Consultant Pathologist*

*Dr Puneet Kumar Nigam*

**Dr Puneet Kumar Nigam**  
PT coordinator & Technical Manager, MHL EQAS  
Unit No. 409-416.  
Commercial Building - 1A  
Kohinoor Mall, Kiroi Road, Kurla (W),  
Mumbai - 400070

Analyte	Instrument	Result Value	Standard Unit	Z-Score
Total Leucocytes (WBC) count	Horiba ABX Micros ES 60	4500.00	1000/ $\mu$ L	2.21
@ RDW CV%	Horiba ABX Micros ES 60	27.90	%	1.89
Legend @ : z score $\leq$ 2.0 - Acceptable   : 2.0 < z score < 3.0 - Warning X : z score $\geq$ 3 - Unacceptable # : Not Evaluated O : Delayed Result Entry * : Not considered for evaluation.				

Problem Classification: CBC all parameter's within acceptable range z score  $\leq$  2 except total leucocytes (WBC) showing warning.

Corrective Action: OC is accepted for the months of Nov. and December report is attached.

Reviewed by: \_\_\_\_\_

Dated: 20.12.23.

Sush  
Dr Subhash Parmar  
Consultant Pathologist

Akuntansi

Bluepat

aw



**Daily Hematology Quality Control entry Log**

Controls: Low Lot No. MXMM1 Month/Year: Sept 23 Exp. Date: 5/12/24 Instrument Serial No.: 703550411085

Date	WBC	RBC	HGB	HCT	PLT	MCV	MCH	MCHC	RDW	MPV	%Lym	%MON	%GRA	#LYM	#MON	#GRA	Initials	Supervisor's Sign	
Unit	10 <sup>3</sup> /mm <sup>3</sup>	1000 <sup>3</sup> /mm <sup>3</sup>	g/dl	%	10 <sup>3</sup> /mm <sup>3</sup>	%	Um <sup>3</sup>	Pg	g/dl	%	Um <sup>3</sup>	%	%	#	#	#			
Low	1.5	2.06	5.2	13.8	55	67	23.6	33.0	12.8	6.7	58.0	1.5	14.5	0.80	0.60	1.10	§		
High	2.3	2.40	6.2	17.8	97	75	23.6	39.0	18.0	10.7	74.0	13.5	33.5	1.60	0.40	0.90	§		
T.V.																			
1	2.1	2.15	5.6	15.4	90	72	25.3	36.3	14.2	9.6	68.4	6.7	24.4	1.40	0.10	0.60	§		
2	2.2	2.12	5.6	15.2	96	71	25.9	37.0	14.4	9.4	67.3	7.2	25.5	1.50	0.10	0.60	§		
3																			
4	2.2	2.12	5.6	15.1	90	71	26.3	33.3	13.6	9.1	69.4	6.5	24.1	1.40	0.10	0.70	§		
5	2.0	2.14	5.8	15.7	91	72	26.3	37.1	14.3	9.0	67.3	6.8	24.4	1.40	0.10	0.70	§		
6	2.1	2.14	5.7	15.4	98	72	26.8	36.3	14.2	9.6	68.4	6.7	24.4	1.40	0.10	0.70	§		
7	2.1	2.12	5.6	15.2	93	71	25.2	35.2	17.2	7.8	70.1	11.0	20.4	1.41	0.10	0.60	§		
8	2.2	2.14	5.6	15.1	90	69	26.7	37.3	13.6	9.1	69.4	7.8	24.1	1.40	0.10	0.60	§		
9	2.0	2.15	5.7	15.2	91	70	25.8	36.8	15.0	8.4	70.1	8.8	20.4	1.40	0.10	0.60	§		
10																			
11	2.2	2.15	5.6	15.2	89	72	25.3	35.2	15.2	8.3	69.5	7.8	24.4	1.35	0.10	0.60	§		
12	2.0	2.19	5.8	15.7	91	71	26.7	37.1	14.3	9.0	67.3	6.8	24.4	1.40	0.10	0.70	§		
13	2.0	2.14	5.7	15.1	90	71	25.4	37.1	14.2	9.6	67.3	6.7	24.4	1.35	0.10	0.70	§		
14	2.2	2.12	5.6	15.1	90	72	25.8	37.3	13.6	9.1	69.4	6.5	24.1	1.40	0.10	0.70	§		
15	2.0	2.19	5.8	15.7	89	69	26.4	37.8	15.8	8.3	71.2	10.2	21.2	1.30	0.10	0.50	§		
16	2.1	2.14	5.7	15.2	91	70	25.8	36.8	15.0	8.7	70.2	8.4	20.7	1.40	0.10	0.60	§		
17																			
18	2.1	2.12	5.6	15.2	93	71	25.2	35.2	17.2	7.8	70.1	11.0	20.4	1.41	0.10	0.60	§		
19	2.0	2.15	5.7	15.7	94	69	25.7	36.2	15.3	8.4	71.7	10.4	21.3	1.42	0.40	0.60	§		
20	2.2	2.12	5.7	15.8	69	70	25.7	35.3	14.1	8.4	64.1	11.4	20.2	1.44	0.10	0.70	§		
21	2.1	2.13	5.9	16.0	90	69	26.4	35.3	15.3	8.4	69.7	8.7	24.2	1.37	0.20	0.50	§		
22	2.0	2.12	5.6	15.6	90	70	27.9	36.3	16.2	7.8	70.7	9.4	25.3	1.32	0.24	0.50	§		
23	2.1	2.13	5.6	15.3	94	69	24.2	35.2	14.0	7.3	71.3	8.0	29.2	1.42	0.10	0.60	§		
24																			
25	2.0	2.16	5.9	15.6	75	72	24.2	35.2	14.8	7.8	68.1	9.4	25.3	1.42	0.10	0.60	§		
26	2.1	2.10	5.7	15.2	64	72	27.1	37.5	14.8	7.7	67.3	8.6	23.7	1.50	0.10	0.70	§		
27	2.2	2.20	5.8	16.2	80	70	25.1	35.2	15.6	7.6	68.3	8.3	24.5	1.55	0.13	0.60	§		
28	2.0	2.19	5.7	15.4	74	70	24.1	36.6	14.6	7.3	64.3	9.6	25.3	1.59	0.30	0.70	§		
29	2.2	2.14	5.7	15.4	90	70	25.2	36.6	14.8	7.6	68.3	8.3	24.5	1.50	0.13	0.70	§		
30	2.2	2.16	5.9	15.6	89	71	24.4	37.5	14.6	7.4	64.7	8.4	29.2	1.53	0.10	0.60	§		
31																			



**Daily Hematology Quality Control entry Log**

Controls: NORMAL Lot No. XXXXXXXX Month/Year: Dec-23 Exp. Date: 12/24 Instrument Serial No.: 703750411085

Date	WBC	RBC	HGB	HCT	PLT	MCV	MCH	MCHC	RDW	MPV	%Lym	%MON	%GRA	#LYM	#MON	#GRA	Initials	Supervisor's Sign	
Unit	10 <sup>3</sup> /mm <sup>3</sup>	1000 <sup>3</sup> /mm <sup>3</sup>	g/dl	%	10 <sup>3</sup> /mm <sup>3</sup>	%	Um <sup>3</sup>	Pg	g/dl	%	Um <sup>3</sup>	%	%	#	#	#			
Low	6.6	4.29	12.8	34.2	203	77	27.7	33.6	11.0	6.1	30.5	2.5	52.0	7.23	0.18	5.69	φ		
High	8.2	4.81	14.2	39.6	283	85	31.7	39.6	17.0	10.1	40.5	10.5	64.0	3.03	0.78	4.89	φ		
T.V.																			
1	7.9	4.32	13.4	35.9	248	82	31.0	37.8	14.1	8.4	35.6	8.3	56.1	2.80	0.60	4.50	φ		
2	8.0	4.44	13.3	36.3	280	79	30.4	37.1	14.1	8.6	35.2	8.1	56.7	2.80	0.60	4.60	φ		
3																			
4	7.9	4.32	13.4	35.6	260	79	29.7	36.1	13.2	7.2	35.4	6.3	55.2	2.60	0.60	4.50	φ		
5	7.0	4.40	13.6	35.7	247	78	28.1	36.2	13.2	7.4	35.4	6.4	55.2	2.70	0.60	4.50	φ		
6	7.1	4.40	13.6	36.2	264	80	30.9	37.6	14.2	8.2	36.4	6.4	56.1	2.60	0.60	4.50	φ		
7	8.1	4.42	13.7	36.2	282	81	31.0	37.8	13.7	8.3	35.1	7.5	57.4	2.80	0.60	4.70	φ		
8	8.0	4.40	13.0	34.7	276	82	30.9	37.5	13.8	8.8	36.3	7.8	55.4	2.80	0.60	4.70	φ		
9	7.8	4.40	13.4	35.9	281	83	30.9	37.4	13.7	8.2	36.0	7.6	56.4	2.90	0.60	4.60	φ		
10																			
11	7.9	4.32	13.4	35.9	236	83	30.9	37.4	13.7	8.8	36.0	7.6	56.4	2.90	0.60	4.80	φ		
12	7.7	4.40	13.2	36.3	264	82	31.0	36.1	14.2	7.4	35.4	6.3	56.2	2.80	0.60	4.70	φ		
13	8.1	4.36	13.3	36.1	246	83	30.1	36.4	14.2	8.2	34.3	8.2	55.4	2.80	0.60	4.60	φ		
14	8.1	4.53	13.3	36.1	243	82	29.1	35.5	14.2	8.3	35.8	8.0	56.2	2.80	0.60	4.40	φ		
15	8.0	4.53	13.2	36.4	246	83	30.1	36.4	13.9	8.2	35.7	8.9	55.4	2.80	0.60	4.60	φ		
16	8.0	4.60	13.3	36.1	243	82	30.6	37.0	13.8	8.4	34.8	8.0	56.2	2.90	0.60	4.70	φ		
17																			
18	7.3	4.30	13.4	37.0	273	82	29.7	35.5	14.2	8.3	35.8	8.0	56.2	2.80	0.60	4.70	φ		
19	8.1	4.53	13.2	37.2	246	83	30.2	36.6	14.2	8.3	35.4	8.7	55.4	2.80	0.60	4.60	φ		
20	8.0	4.40	13.3	36.3	242	83	30.2	36.6	14.3	8.2	34.1	8.5	57.4	2.80	0.60	4.70	φ		
21	7.9	4.40	13.0	35.2	276	82	30.4	36.9	14.2	8.3	34.8	8.7	55.7	2.60	0.60	4.70	φ		
22	7.9	4.36	13.4	37.0	264	81	28.2	36.4	13.9	8.4	34.3	6.4	59.4	2.70	0.60	4.70	φ		
23	8.0	4.40	13.2	37.2	243	80	29.1	35.5	13.8	7.8	35.4	5.9	60.0	2.60	0.60	4.60	φ		
24																			
25	7.8	4.32	13.0	35.9	276	83	29.7	36.1	13.1	8.8	36.0	6.2	55.8	2.80	0.58	4.70	φ		
26	7.7	4.40	13.3	36.3	274	82	30.2	36.2	13.3	7.4	35.4	8.2	59.4	2.70	0.70	4.70	φ		
27	8.1	4.40	13.4	36.1	246	83	30.2	37.6	14.1	8.2	34.3	6.9	55.4	2.80	0.60	4.60	φ		
28	8.1	4.36	13.0	36.1	243	82	30.4	37.8	13.9	8.3	35.4	7.1	59.5	2.80	0.63	4.50	φ		
29	8.0	4.53	13.4	36.4	243	82	28.1	37.5	14.8	8.2	35.8	7.6	60.4	2.70	0.66	4.70	φ		
30	8.0	4.50	13.0	36.1	236	81	31.0	37.4	14.1	8.4	34.8	8.1	59.2	2.80	0.65	4.50	φ		
31																			



### Daily Hematology Quality Control entry Log

Controls: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

Lot No. MXX4444444 Month/Year: Dec 2023 Exp. Date: 31/12/24 Instrument Serial No.: 703550411085

Date	WBC	RBC	HGB	HCT	PLT	MCV	MCH	MCHC	RDW	MPV	%Lym	%MON	%GRA	#LYM	#MON	#GRA	Initials	Supervisor's Sign	
Unit	10 <sup>3</sup> /mm <sup>3</sup>	1000 <sup>3</sup> /mm <sup>3</sup>	g/dl	%	10 <sup>3</sup> /mm <sup>3</sup>	%	Um <sup>3</sup>	Pg	g/dl	%	Um <sup>3</sup>	%	%	#	#	#			
Low	18.2	5.34	17.4	43.0	438	85	30.3	33.3	11.0	6.1	19.0	0.5	31.5	2.38	0.10	14.92			
High	21.6	8.98	19.7	52.8	568	93	34.0	39.3	17.0	10.1	22.0	8.5	85.5	4.38	1.70	17.02			
T.V.																			
1	21.1	5.43	18.3	49.1	516	90	33.7	37.2	13.0	8.4	16.8	6.0	34.4	3.50	1.20	15.80			
2	20.9	5.41	18.2	48.8	528	90	33.8	33.5	13.0	8.4	16.8	6.0	34.4	3.50	1.30	15.60			
3																			
4	20.9	5.45	18.4	49.8	525	90	33.8	36.8	13.6	8.2	16.3	6.3	32.4	3.50	1.20	15.60			
5	20.7	5.41	18.0	48.7	528	90	33.7	36.4	13.4	8.2	16.6	6.9	32.9	3.50	1.40	14.80			
6	20.9	5.46	18.0	49.1	495	90	33.6	36.8	13.0	8.0	16.6	6.9	34.2	3.50	1.40	15.60			
7	20.3	5.50	18.3	50.2	511	90	32.2	38.2	12.9	8.5	16.6	8.0	34.4	3.50	1.70	15.30			
8	20.4	5.48	18.5	49.6	527	90	33.7	33.2	12.4	8.4	17.2	6.4	34.6	3.50	1.70	16.0			
9	21.1	5.43	18.3	49.1	516	90	33.8	37.5	13.0	8.4	16.8	6.9	33.2	3.50	1.70	15.30			
10																			
11	20.8	5.94	18.2	48.6	524	91	34.2	37.6	12.7	8.7	16.9	6.9	35.2	3.50	1.60	15.70			
12	21.0	5.55	18.1	50.1	506	90	32.7	36.2	13.3	8.1	16.1	6.4	34.6	3.50	1.55	15.80			
13	21.1	5.58	18.6	50.8	499	91	33.3	36.6	13.4	8.1	16.4	6.9	34.5	3.50	1.60	15.80			
14	20.8	5.55	18.4	50.4	499	90	33.6	36.8	12.9	8.9	16.4	6.2	33.2	3.50	1.60	15.90			
15	21.0	5.50	18.0	50.8	520	90	33.3	36.4	13.4	8.7	16.6	6.5	33.2	3.50	1.60	15.90			
16	20.8	5.58	18.4	50.4	499	90	33.5	36.1	13.3	8.1	16.0	6.1	33.2	3.50	1.55	15.80			
17																			
18	20.9	5.48	18.2	49.5	486	90	33.2	36.7	13.3	8.1	16.1	6.0	34.6	3.50	1.70	15.80			
19	20.3	5.43	18.1	49.5	477	90	33.0	36.5	13.0	7.9	16.1	6.9	33.4	3.50	1.27	15.80			
20	21.0	5.46	18.0	47.7	525	90	33.8	33.5	13.2	8.1	16.4	6.2	33.0	3.50	1.70	15.10			
21	20.6	5.47	17.7	49.1	545	90	33.2	36.8	13.4	8.2	16.6	6.0	33.4	3.50	1.70	15.80			
22	20.8	5.56	17.9	49.5	499	90	33.0	36.5	13.0	7.9	16.1	6.9	33.4	3.50	1.70	15.80			
23	21.1	5.46	18.0	50.8	545	90	33.3	36.6	13.4	8.1	16.7	6.8	33.1	3.50	1.70	15.80			
24																			
25	21.0	5.54	18.1	49.2	545	89	32.7	33.0	13.2	8.2	16.1	6.8	33.4	3.50	1.60	15.80			
26	20.9	5.54	18.1	50.1	506	90	33.0	36.7	13.3	8.2	16.6	6.6	34.5	3.50	1.55	15.10			
27	20.6	5.40	18.0	49.5	524	91	33.7	33.2	12.4	8.7	16.9	4.4	34.6	3.50	1.60	15.90			
28	20.8	5.47	18.0	50.4	499	91	33.5	35.1	13.3	8.1	16.0	6.2	33.2	3.50	1.55	15.90			
29	20.8	5.50	18.0	49.1	545	90	32.7	37.2	12.4	8.2	16.1	6.0	34.5	3.50	1.60	15.10			
30	21.0	5.54	18.2	49.2	545	89	32.7	37.2	13.2	8.2	16.6	6.9	33.2	3.50	1.55	15.90			
31																			



Daily Hematology Quality Control entry Log

Controls: Low Lot No. MX4441 Month/Year: 21/09/23 Exp. Date: 5/2/24 Instrument Serial No.: 703F50111085

Date	WBC	RBC	HGB	HCT	PLT	MCV	MCH	MCHC	RDW	MPV	%Lym	%MON	%GRA	#LYM	#MON	#GRA	Initials	Supervisor's Sign	
Unit	10 <sup>3</sup> /mm <sup>3</sup>	1000 <sup>3</sup> /mm <sup>3</sup>	g/dl	%	10 <sup>3</sup> /mm <sup>3</sup>	%	Um <sup>3</sup>	Pg	g/dl	%	Um <sup>3</sup>	%	%	#	#	#			
Low	1.5	2.06	5.2	13.8	53	6.7	23.6	33.0	12.8	6.7	58.0	1.5	19.5	0.80	0.50	1.10			
High	2.3	2.40	6.2	17.8	97	25	27.6	39.0	18.0	10.7	74.0	13.5	27.5	1.60	0.40	0.90			
T.V.																			
1	1.6	2.20	5.9	15.2	74	70	25.2	36.2	15.0	7.2	64.2	10.2	25.2	1.20	0.20	0.50			
2	2.1	2.15	5.6	15.4	86	71	26.0	36.4	14.3	8.9	68.3	8.2	26.3	1.30	0.10	0.70			
3	2.0	2.14	5.9	15.2	82	72	25.8	38.0	14.7	8.5	68.7	7.2	24.2	1.20	0.10	0.70			
4	2.2	2.14	5.5	15.4	82	71	25.6	36.0	14.1	8.9	68.0	7.8	23.5	1.30	0.10	0.60			
5																			
6	2.1	2.21	5.6	15.7	79	71	25.4	35.8	14.4	8.5	68.0	7.2	26.8	1.30	0.10	0.70			
7	2.2	2.16	5.5	15.4	82	71	25.6	36.0	14.1	8.9	68.7	7.8	23.5	1.50	0.10	0.60			
8	2.1	2.14	5.6	15.4	89	72	25.9	36.2	14.2	8.4	68.2	8.1	25.7	1.30	0.10	0.70			
9	2.0	2.22	5.7	15.9	86	71	25.7	35.2	14.4	9.1	67.3	8.5	24.2	1.50	0.10	0.60			
10	2.1	2.22	5.6	15.6	80	72	25.8	37.0	14.1	8.7	65.4	8.2	26.4	1.30	0.10	0.70			
11	2.0	2.14	5.6	15.5	85	73	25.0	37.0	13.8	9.6	68.2	6.5	25.3	1.30	0.10	0.60			
12																			
13																			
14	2.2	2.21	5.6	16.0	90	72	25.4	37.0	13.8	9.6	68.2	6.5	25.3	1.30	0.10	0.60			
15	2.2	2.17	5.9	15.7	81	73	25.8	37.1	13.8	9.6	68.2	6.5	25.3	1.50	0.10	0.60			
16	2.1	2.12	5.8	15.2	80	71	27.0	38.0	14.1	8.7	65.4	8.5	26.1	1.30	0.10	0.70			
17																			
18	2.2	2.13	5.6	15.2	94	71	25.0	36.7	14.6	8.2	66.8	8.9	24.3	1.40	0.10	0.70			
19																			
20	2.0	2.15	5.6	15.3	74	71	26.3	36.9	14.3	9.1	65.7	7.9	26.4	1.50	0.10	0.60			
21	2.1	2.14	5.6	14.3	91	72	26.0	37.0	14.3	8.6	66.3	7.7	26.0	1.30	0.10	0.70			
22	2.0	2.22	5.7	15.9	95	72	25.7	35.9	14.1	8.1	66.6	7.2	26.2	1.50	0.10	0.70			
23	2.2	2.17	5.7	15.6	91	72	26.0	36.3	14.3	8.3	67.9	7.5	25.3	1.40	0.10	0.60			
24	2.1	2.16	5.7	15.6	93	72	26.0	36.2	14.1	8.7	66.7	7.6	25.3	1.30	0.10	0.60			
25	2.1	2.14	5.6	15.5	91	72	26.1	36.0	14.0	8.1	68.1	8.2	23.7	1.40	0.10	0.65			
26																			
27	2.1	2.15	5.8	15.0	90	73	26.2	37.0	13.6	8.4	66.4	7.8	25.8	1.30	0.10	0.70			
28	2.0	2.11	5.7	15.4	85	73	25.8	35.6	13.4	8.4	68.2	7.3	24.5	1.50	0.10	0.60			
29	2.2	2.21	5.6	16.0	90	72	25.4	35.2	14.2	8.5	67.1	7.4	26.1	1.40	0.10	0.70			
30	2.0	2.13	5.8	15.4	91	72	25.0	37.0	13.8	9.6	68.2	6.5	25.3	1.50	0.10	0.60			
31																			



Daily Hematology Quality Control entry Log

Controls: High... Lot No. M... Month/Year: 2023 Exp. Date: 31/12/24 Instrument Serial No.: 2035-50411085

Date	WBC	RBC	HGB	HCT	PLT	MCV	MCH	MCHC	RDW	MPV	%Lym	%MON	%GRA	#LYM	#MON	#GRA	Initials	Supervisor's Sign	
Unit	10 <sup>3</sup> /mm <sup>3</sup>	1000/mm <sup>3</sup>	g/dl	%	10 <sup>3</sup> /mm <sup>3</sup>	%	Um <sup>3</sup>	Pg	g/dl	%	Um <sup>3</sup>	%	%	#	#	#			
Low	18.2	5.34	13.4	43.0	438	85	35.3	33.3	11.0	6.1	12.0	0.5	21.5	2.38	0.10	14.22			
High	21.6	5.48	14.2	53.8	568	93	34.3	39.3	17.0	10.1	22.0	8.5	85.5	4.88	1.70	17.32			
T.V																			
1	21.0	5.46	13.9	49.3	520	90	32.7	36.2	13.0	8.1	16.2	2.0	24.0	3.50	1.50	15.70			
2	20.6	5.40	13.7	48.8	513	90	32.7	36.2	13.3	8.2	16.6	2.2	23.5	3.40	1.20	15.20			
3	20.5	5.45	13.2	47.1	484	90	32.7	36.3	13.6	8.2	15.8	2.8	22.4	3.10	1.20	14.70			
4	20.0	5.40	13.8	43.1	484	90	32.7	36.5	13.6	8.2	15.8	2.8	22.9	3.10	1.25	14.70			
5																			
6	20.5	5.45	13.9	47.7	525	90	33.8	37.5	13.2	8.1	16.4	2.2	22.0	3.40	1.27	15.0			
7	20.8	5.50	13.7	48.0	533	90	33.3	36.9	13.6	8.2	16.1	2.9	22.3	3.30	1.30	15.10			
8	20.6	5.46	13.9	49.1	545	90	32.7	36.4	13.4	8.2	16.3	6.3	22.0	3.30	1.40	14.90			
9	20.3	5.41	18.0	48.7	528	90	33.2	36.8	13.4	8.2	16.6	2.9	23.4	3.40	1.40	14.80			
10	20.5	5.50	18.0	50.4	520	90	33.7	36.4	13.4	8.2	16.6	2.5	23.2	3.50	1.40	14.80			
11	20.9	5.46	18.0	49.1	495	90	32.9	36.6	13.0	8.0	16.6	2.8	24.2	3.30	1.40	15.60			
12																			
13																			
14	20.8	5.47	18.0	49.5	477	90	33.0	36.5	13.0	7.9	16.1	8.0	23.4	3.30	1.60	15.80			
15	21.1	5.45	18.3	49.4	494	91	33.6	36.8	12.9	7.9	16.0	2.7	26.3	3.20	1.60	16.20			
16	20.3	5.41	18.3	49.4	484	91	33.9	37.3	12.6	8.1	15.9	8.0	25.9	3.20	1.60	15.90			
17																			
18	20.9	5.48	18.2	49.5	486	90	33.2	36.7	13.2	8.2	16.0	8.2	23.2	3.50	1.60	15.80			
19																			
20	21.0	5.55	18.1	50.1	506	90	32.7	36.2	13.3	8.1	16.1	8.2	24.6	3.30	1.55	15.80			
21	21.1	5.58	18.6	50.8	499	91	33.3	36.6	13.4	8.1	16.4	8.0	24.5	3.40	1.55	15.80			
22	21.0	5.44	18.4	49.8	509	91	33.5	36.9	12.8	8.2	16.0	2.7	23.2	3.20	1.50	15.90			
23	21.1	5.46	18.3	49.4	505	91	33.6	36.7	12.9	8.2	16.4	2.3	23.9	3.40	1.60	16.10			
24	21.1	5.55	18.4	50.8	494	90	33.3	36.6	13.4	8.1	16.4	8.0	23.4	3.30	1.60	16.10			
25	20.9	5.42	18.2	49.1	519	91	33.6	37.1	13.2	8.2	15.7	2.7	23.1	3.40	1.30	15.80			
26																			
27	20.5	5.45	18.4	49.8	493	91	33.7	37.0	12.8	8.3	16.0	8.2	25.8	3.30	1.50	15.90			
28	20.6	5.44	18.4	49.8	537	92	33.8	36.8	12.6	8.2	16.9	2.2	23.9	3.40	1.40	15.80			
29	21.0	5.58	18.1	49.1	518	91	33.3	36.9	12.6	8.3	17.1	8.0	24.9	3.50	1.60	15.90			
30	21.2	5.46	18.5	49.7	536	91	33.8	37.1	12.7	8.3	17.0	8.0	24.7	3.60	1.40	15.80			
31																			

*Dr. Subhash Parmar*  
Consultant Pathologist.



Controls: NORMAL Lot No: MXXXXXX Month/Year: 11/23 Exp. Date: 12/24 Instrument Serial No.: 703550411085

Date	WBC	RBC	HGB	HCT	PLT	MCV	MCH	MCHC	RDW	MPV	%Lym	%MON	%GRA	#LYM	#MON	#GRA	Initials	Supervisor's Sign	
Unit	10 <sup>3</sup> /mm <sup>3</sup>	1000 <sup>3</sup> /mm <sup>3</sup>	g/dl	%	10 <sup>3</sup> /mm <sup>3</sup>	%	Um <sup>3</sup>	Pg	g/dl	%	Um <sup>3</sup>	%	%	#	#	#			
Low	6.6	4.29	12.8	34.2	203	77	27.7	28.6	11.0	6.1	30.5	2.5	52.0	2.23	0.18	0.64			
High	8.2	4.81	14.2	39.6	283	85	31.7	29.6	17.0	10.1	40.5	10.5	64.0	3.03	0.78	4.89			
T.V.																			
1	7.4	4.70	12.8	35.0	237	82	30.1	36.6	14.4	8.2	37.2	8.3	54.0	2.90	0.60	4.40			
2	7.7	4.70	12.8	35.0	239	82	30.0	36.5	14.1	8.3	35.0	9.2	55.8	2.60	0.70	4.40			
3	7.8	4.60	12.9	35.0	238	80	30.0	35.6	18.1	8.2	34.2	8.2	58.3	2.60	0.60	4.40			
4	7.8	4.84	12.8	35.0	253	82	29.4	36.6	14.0	8.4	34.4	8.2	54.9	2.60	0.70	4.40			
5																			
6	7.3	4.50	13.4	37.0	233	82	29.7	36.2	14.5	8.7	35.2	9.6	54.6	2.90	0.70	4.60			
7	7.8	4.39	12.8	35.8	252	82	29.2	35.8	14.2	8.4	34.0	8.3	54.4	2.60	0.69	4.70			
8	8.0	4.45	13.3	36.2	261	81	29.4	36.3	14.1	8.4	35.4	8.2	54.0	2.80	0.70	4.80			
9	7.9	4.41	13.0	35.4	264	81	29.5	36.3	14.0	8.5	34.8	7.8	53.9	2.70	0.70	4.40			
10	7.4	4.46	13.0	36.2	246	82	30.1	36.9	14.0	8.5	35.0	7.9	54.5	2.60	0.70	4.70			
11	7.9	4.45	13.3	36.3	254	82	29.8	36.3	13.9	8.1	34.4	9.1	56.5	2.70	0.70	4.60			
12																			
13																			
14	7.8	4.34	13.1	35.7	232	82	30.2	36.7	13.8	8.2	35.4	8.0	56.6	2.70	0.60	4.60			
15	8.0	4.37	13.4	36.2	267	83	30.7	37.0	13.7	7.8	36.6	7.8	55.6	3.0	0.60	4.60			
16	7.9	4.46	13.4	36.9	227	83	30.1	36.4	13.5	8.0	34.4	7.5	58.1	2.70	0.60	4.70			
17																			
18	8.0	4.80	13.5	36.9	238	82	29.9	36.4	14.1	8.4	34.9	8.3	57.7	2.70	0.60	4.70			
19																			
20	8.1	4.45	13.2	37.2	246	82	29.1	35.5	14.2	8.3	35.8	8.0	56.2	2.80	0.60	4.70			
21	8.0	4.40	13.1	36.3	249	83	30.2	36.6	14.3	8.2	34.1	8.5	57.4	2.70	0.60	4.70			
22	7.8	4.40	13.0	35.2	236	82	30.4	36.9	14.2	8.3	35.4	8.7	55.9	2.70	0.60	4.60			
23	8.1	4.56	13.1	36.1	243	83	30.6	37.0	13.8	8.3	34.8	7.5	57.7	2.80	0.60	4.70			
24	8.0	4.53	13.2	37.2	246	82	29.1	35.5	14.2	8.1	35.8	8.0	56.2	2.80	0.60	4.60			
25	7.9	4.39	13.2	36.4	262	83	30.1	35.5	13.9	8.2	35.7	8.4	55.4	2.80	0.70	4.40			
26																			
27	8.1	4.48	13.6	37.1	275	83	30.3	36.6	13.4	8.2	34.3	8.2	57.5	2.70	0.60	4.80			
28	7.9	4.35	13.5	36.2	239	83	31.1	37.4	13.9	8.4	36.2	7.5	56.3	2.80	0.50	4.60			
29	8.1	4.40	13.5	36.5	258	83	30.3	36.5	13.8	8.5	34.8	7.7	57.5	2.80	0.80	4.70			
30	8.2	4.46	13.5	36.8	281	83	30.4	36.8	13.5	8.6	35.6	8.3	56.1	2.90	0.60	4.70			
31																			

*Subs*  
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Consultant Pathologist.