



RML - Quality Assurance Program (RML - QAP)



HEMATOLOGY

ALL METHOD REPORT

Cycle-9/2020

Round -6

Date: 30/11/2020

Lab Code: 1974

Complete Blood Count (CBC)

Parameters	No. of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	156	12.2	0.5	0.05	11.2-13.2	11.8	-0.8
WBC $\times 10^3/\mu\text{l}$.	155	9.9	1.5	0.15	6.9-12.9	6.4	-2.3
RBC $\times 10^6/\mu\text{l}$.	156	4.1	0.2	0.02	3.8-4.5	4.12 [†]	-0.1
Hct%	156	35.8	3.2	0.32	29.5-42.1	35.3	-0.2
MCV fl.	155	86.4	5.5	0.55	75.4-97.4	83.4	-0.6
MCH pg.	155	29.5	1.0	0.10	27.6-31.5	28.9	-0.6
MCHC gm/dl	155	34.3	2.7	0.27	28.9-39.7	35.1	0.3
Platelet $\times 10^3/\mu\text{l}$.	156	275.8	22.7	2.27	230.5-321.1	275	0.0

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	Bl-1, Pmyelo-4, Myelo-31, Mmyelo-26, S-19, P-12, L-2, E-4, B-1, nRBC-1	Bl0.8-4.2, Pro0.9-6.2, Myelo8.0-26.1, Mmyelo5.5-20.3, S4.9-19.9, P19.5-54.4, B0.8-3.6
Morphology	Predominantly normochromic and normocytic with mild polychromasia. Platelets are adequate in number and occasional macroplatelets are present	<ul style="list-style-type: none"> Δ Normocytic/Normochromic (97/105), Δ Anisocytosis (51/105), Δ Microcytic/ Microcytosis (41/105), Δ Hypochromia/ Hypochromic (30/105), Δ Poikilocytosis (25/105)
Diagnosis	Chronic Myeloid Leukemia (CML)	Chronic Myeloid Leukemia (CML)

Legends	(*) Excluded From Group Mean	{ } Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator

Dr. Sanjay Mehrotra

Programme Director

Dr. Bandana Mehrotra

Checked By:

End of Report

Page 1 of 5

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HEMATOLOGY

METHOD WISE REPORT

Cycle-9/2020

Round - 6

Lab Code: 1974

Date: 30/11/2020

Note: @ Parameters are not part of Method Group

Complete Blood Count (CBC)

Parameters	Method Group	No.of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	Photometric	51	12.1	0.5	0.09	11.1-13.1	11.8	-0.7
WBC × 10 ³ /μl. @	Electrical impedance	53	10.3	0.6	0.10	7.8-12.2	-	-
RBC × 10 ⁶ /μl.	Electrical impedance	56	4.1	0.2	0.03	3.8-4.5	4.12	-0.1
Hct% @	Calculated	53	36.0	3.2	0.55	29.7-42.4	-	-
MCV fl. @	Electrical impedance	37	86.0	6.2	1.28	73.5-98.5	-	-
MCH pg.	Calculated	58	29.5	0.9	0.14	27.7-31.2	28.9	-0.6
MCHC gm/dl	Calculated	61	34.2	3.2	0.52	27.8-40.6	35.1	0.3
Platelet × 10 ³ /μl.	Electrical impedance	57	279.1	18.0	2.98	241.6-315.5	275	-0.2

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Legends	(*) Excluded From Group Mean	{.} Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Page 2 of 5

