



RML – Quality Assurance Program (RML – QAP)



HEMATOLOGY

ALL METHOD REPORT

Cycle-11/2022

Round -2

Lab Code: 1097

Date: 05/04/2022

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	151	11.7	0.4	0.04	10.9-12.4	12.5	2.0
WBC $\times 10^3/\mu\text{l}$.	151	10.1	2.4	0.24	5.3-14.8	12.5	1.0
RBC $\times 10^6/\mu\text{l}$.	151	4.0	0.1	0.01	3.77-4.25	4.24	2.4
Hct%	151	35.2	2.4	0.24	30.5-39.9	37.8	1.1
MCV fl.	151	87.7	4.3	0.44	79.2-96.3	88.9	0.3
MCH pg.	151	29.1	1.0	0.10	27.1-31.0	29.4	0.3
MCHC gm/dl	151	33.0	2.2	0.22	28.7-37.3	33.1	0.0
Platelet $\times 10^3/\mu\text{l}$.	151	260.5	18.5	1.88	223.6-297.5	255	-0.3

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-64, Pmyelo-1, Myelo-3, Mmyelo-2, S-2, P-9, L-16, E-2, M-1	Bl-44.3-69.2, P-8.1-21.8, L-6.8-26.6 Pmyelo-0.1-10.7, M-1.1-5.5
Morphology	Mildly hypochromic normocytic RBCs, Mild anisocytosis noted. Few microcytes seen. Moderate thrombocytopenia noted	Δ Normocytic/Normochromic (107/123) Δ Thrombocytopenia (94/123) Δ Blasts (91/123) Δ Leukocytosis (55/123)
Diagnosis	Acute Leukemia (? Acute Myeloid Leukemia)	Acute Leukemia/ Acute Myeloid Leukemia (AML)

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

Dr. Sanjay Mehrotra

Checked By:

Prepared by: SS

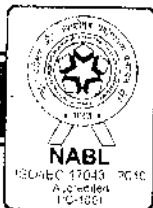
Programme Director

Dr. Bandana Mehrotra

End of Report

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RML – Quality Assurance Program (RML – QAP)



HEMATOLOGY

ALL METHOD REPORT

Lab Code: 1097

Cycle-10/2021

Round -5

Date: 02/10/2021

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	153	11.6	0.4	0.04	10.7-12.4	11.2	-0.9
WBC $\times 10^3/\mu\text{l}$	151	10.2	1.8	0.19	6.5-13.9	10.3	0.1
RBC $\times 10^6/\mu\text{l}$	154	3.9	0.1	0.01	3.66-4.22	3.72	-1.6
Hct%	154	34.1	2.4	0.25	29.2-39.0	32.4	-0.7
MCV fl.	154	86.4	4.6	0.47	77.2-95.6	87.2	0.2
MCH pg.	154	29.1	1.0	0.10	27.4-31.4	30.1	0.7
MCHC gm/dl	154	34.1	2.4	0.24	29.3-38.9	34.5	0.2
Platelet $\times 10^3/\mu\text{l}$	154	266.8	23.9	2.40	213.1-308.5	242	-0.8

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	P-2, L-97, M-1	L84.0-98.0, Prol2.0-20.6, Pl1.5-6.8, M1.0-2.3, E1.0-1.0
Morphology	Many smudge cells and few prolymphocytes seen. RBC: Normocytic Normochromic RBC, Severe lymphocytosis with presence of few prolymphocytes. Moderate thrombocytopenia	Δ Smudge cells (97/126) Δ Normocytic/Normochromic (89/126) Δ Thrombocytopenia (72/126) Δ Lymphocytosis (62/126) Δ Leucocytosis (36/126)
Diagnosis	Chronic Lymphoproliferative Disorder (CLL)	Chronic Lymphocytic Leukemia (CLL)/ Chronic Lymphoproliferative Disorder

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

Dr. Sanjay Mehrotra

Checked By: *[Signature]*

Programme Director

Dr. Bandana Mehrotra

End of Report

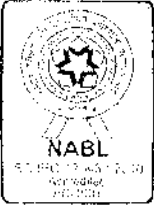
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RML – Quality Assurance Program (RML – QAP)



HEMATOLOGY METHOD WISE REPORT

Cycle-10/2021

Round -5

Lab Code: 1097

Date: 02/10/2021

Note: Your lab is not the 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	11.6	0.4	0.07	10.8-12.4	-	-
WBC $\times 10^3/\mu\text{l}$	Electrical impedance	50	10.7	0.7	0.12	9.3-12.2	-	-
RBC $\times 10^6/\mu\text{l}$	Electrical impedance	57	3.9	0.1	0.02	3.7-4.2	-	-
Hct%	Calculated	49	34.5	2.6	0.47	29.2-39.8	-	-
MCV fl.	Electrical impedance	34	86.8	4.4	0.93	78.1-95.5	-	-
MCH pg.	Calculated	62	29.6	0.7	0.11	28.1-31.0	-	-
MCHC gm/dl	Calculated	63	34.2	2.5	0.39	29.1-39.1	-	-
Platelet $\times 10^3/\mu\text{l}$	Electrical impedance	53	258.3	23.9	4.10	210.5-306.1	-	-

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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Chief Coordinator

Dr. Sanjay Mehrotra

Checked By

Programme Director

Dr. Bandana Mehrotra

“End of Report”

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