



HEMATOLOGY
ALL METHOD REPORT

Cycle-11/2022
Round -3

Date: 25/05/2022

Lab Code: 2472

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	169	11.6	0.4	0.04	10.8-12.4	11.5	-0.2
WBC $\times 10^3/\mu\text{l}$.	169	10.7	2.0	0.19	6.8-14.6	12.1	0.7
RBC $\times 10^6/\mu\text{l}$.	168	4.0	0.1	0.01	3.76-4.24	4.00	0.0
Hct%	167	35.7	2.3	0.22	31.1-40.3	34.0	-0.7
MCV fl.	168	89.3	4.6	0.44	80.1-98.5	85.0	-0.9
MCH pg.	168	29.1	0.9	0.09	27.3-31.0	28.7	-0.4
MCHC gm/dl	168	32.7	2.1	0.20	28.5-36.8	33.8	0.5
Platelet $\times 10^3/\mu\text{l}$.	168	252.8	21.0	2.03	210.8-294.8	243	-0.5

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-55, L-34, E-5, M-6	P-61.5-74.4, L-19.3-31.6 Pmyelo-23.4-70.7
Morphology	Normochromic Normocytic RBCs, Platelets are highly increased on smear	Δ Thrombocytosis (125/134) Δ Normocytic/ Normochromic (122/134) Δ Hypersegmented Neutrophils (43/134) Δ Giant Platelets (34/134) Δ Anisocytosis (25/134)
Diagnosis	Thrombocytosis? Thrombocythemia	Thrombocytosis/ Essential Thrombocythemia/ Myeloproliferative Neoplasm(MPN)/ Reactive Thrombocytosis/ Essential Thrombocytosis

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:

Doc. No.: ASS/FR/06/R 01/ Dt.: 05.01.2022

Programme Director

Dr. Bandana Mehrotra

End of Report

Result found satisfactory
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RML – Quality Assurance Program (RML – QAP)



HEMATOLOGY

ALL METHOD REPORT

Cycle-11/2022

Round -4

Lab Code: 2472

Date: 01/08/2022

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	214	11.6	0.4	0.03	10.8-12.4	12.1	1.3
WBC $\times 10^3/\mu\text{l}$.	212	10.5	2.4	0.21	5.6-15.3	11.9	0.6
RBC $\times 10^6/\mu\text{l}$.	214	4.0	0.1	0.01	3.74-4.30	4.38	3.8
Hct%	213	34.9	2.4	0.21	30.2-39.6	36.7	0.8
MCV fl.	214	86.8	4.2	0.36	78.5-95.2	83.6	-0.8
MCH pg.	214	28.8	1.0	0.09	26.8-30.8	27.6	-1.2
MCHC gm/dl	214	33.1	2.0	0.17	29.1-37.2	33.0	-0.1
Platelet $\times 10^3/\mu\text{l}$.	214	269.3	22.6	1.93	224.0-314.5	268	-0.1

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

Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	P-21, L-75, E-0.5, M-3.5	L-66.0-84.7, P-11.8-24.7 ProL-3.0-13.3
Morphology	RBC- normocytic normochromic, prolymphocytes presents, lymphocytosis	Δ Normocytic/ Normochromic (161/184) Δ Smudge cells (150/184) Δ Lymphocytosis (129/184) Δ Leukocytosis (101/184) Δ Atypical cells (30/184)
Diagnosis	Chronic Lymphocytic Leukemia	Chronic Lymphocytic Leukemia (CLL), Chronic Lymphoproliferative Disorder (CLPD), Chronic Lymphoid Leukemia

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:

Doc. No.: ASS / FR / 06 / R.01 / Dt.: 05.01.2022

Programme Director

Dr. Bandana Mehrotra

End of Report

Result found satisfactory

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HEMATOLOGY

ALL METHOD REPORT

Lab Code: 2472

Cycle-11/2022

Round -5

Date: 07/09/2022

Complete Blood Count (CBC)

Parameters	No. of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range ($\pm 2 SD$)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	210	11.6	0.5	0.04	10.5-12.6	11.5	-0.2
WBC $\times 10^3/\mu\text{l}$.	209	10.6	2.6	0.22	5.5-15.8	10.7	0.0
RBC $\times 10^6/\mu\text{l}$.	209	4.0	0.2	0.02	3.67-4.39	3.99	0.0
Hct%	208	35.3	2.4	0.21	30.5-40.1	34.1	-0.5
MCV fl.	209	87.7	4.7	0.41	78.2-97.1	85.4	-0.5
MCH pg.	209	28.8	1.1	0.10	26.5-31.0	28.8	0.0
MCHC gm/dl	209	32.8	2.0	0.17	28.8-36.8	33.7	0.5
Platelet $\times 10^3/\mu\text{l}$.	209	268.6	23.2	2.01	222.1-315.0	277	0.4

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-69, L-24, E-2, M-5	P-61.0-76.8 L-16.8-30.7 E-1.0-4.4 M-1.5-4.6
Morphology	RBC are hypochromic+ microcytic macrocytic+ macro ovalocytes+ giant platelets+	Δ Microcytic/ Microcytosis (140/155) Δ Hypochromic/Hypochromia (133/155) Δ Anisocytosis (108/155) Δ Poikilocytosis (87/155) Δ Thrombocytopenia (65/155)
Diagnosis	Mixed Nutritional deficiency (Iron deficiency + megaloblastic changes)	Microcytic Hypochromic Anemia/ Dimorphic Anemia/ Nutritional Deficiency Anemia/ Iron Deficiency Anemia

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

Programme Director

Dr. Sanjay Mehrotra

Dr. Bandana Mehrotra

Checked By

Result found satisfactory.

Doc. No.: ASS / FR / 06 / R 01 / Dt. 05.01.2022

End of Report

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HEMATOLOGY

ALL METHOD REPORT

Cycle-11/2022

Round -6

Date: 20/10/2022

Lab Code: 2472

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	236	11.4	0.4	0.03	10.7-12.2	11.8	1.0
WBC $\times 10^3/\mu\text{l}$	234	10.8	2.1	0.17	6.7-14.9	12.7	0.9
RBC $\times 10^6/\mu\text{l}$	236	4.0	0.1	0.01	3.75-4.31	4.24	2.4
Hct%	236	35.4	2.3	0.19	30.8-40.0	36.1	0.3
MCV fl.	236	87.5	4.4	0.36	78.0-96.4	85.1	-0.5
MCH pg.	236	28.3	0.9	0.07	26.5-30.1	27.8	-0.6
MCHC gm/dl	236	32.4	2.0	0.16	28.4-36.4	32.7	0.2
Platelet $\times 10^3/\mu\text{l}$	236	273.3	22.5	1.83	228.2-318.3	293	0.9

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-22, L-22, E-55, M-1	P-19.0-47.8 L-16.0-34.1 E-13.0-51.0 M-1.8-6.2
Morphology	Normocytic normochromic Rouleaux +++	Δ Normocytic/ Normochromic (174/186) Δ Eosinophilia (161/186) Δ Thrombocytopenia (113/186) Δ Leukocytosis (98/186) Δ Giant platelets (73/186)
Diagnosis	Eosinophilia	Eosinophilia/ Eosinophilic Leukocytosis

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

Dr. Sanjay Mehrotra

Prepared by: Ssh

Checked By: [Signature]

Doc. No.: ASS/FR/06/R01/DI:05.01.2022

Result found satisfactory
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Programme Director

Dr. Bandana Mehrotra

“End of Report”

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