



SHREE DIAGNOSTIC CENTRE

External Quality Assurance Program Evaluation Form

Discipline : Haematology

EQAS :RML (LAB Code : 2359)

Month : MAY-2022

Round No: 03

Date	Test / Parameters	Sample Details	Report Received on	Findings / Zscore	Corrective Action	QM/LD
						Remarks
25-05-2022	HB	EDTA whole Blood	25-05-2022	-0.7	NA	Result Satisfactory
	WBC			0		
	RBC			-1.8		
	HCT			0		
	MCV			0.8		
	MCH			0.6		
	MCHC			-0.5		
	PLT			-0.2		
	Slide Diagnosis			Trombocytosis		
FORM NO: 13	FORM NAME : EQAS EVALUTION FORM-HEAMTOLOGY		FM/EQAS-EVAL-HEAMT/QM/13			
ISSUE NO: 01	ISSUE DATE: 01/07/2020		ISSUE BY : QM			
AMMEND NO :00	AMMEND DATE : 00		APPROVED BY : LD			

Barthar
DONE BY

Arif
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PARTICIPANT ASSESSMENT REPORT

CYCLE - 11

JAN 2022 - DEC 2022

Provider

RML - QAP (Quality Assurance Program)
Under RML Research Foundation
B-171, Nirala Nagar,
Lucknow
India

Coordinator

Dr. Sanjay Mehrotra
Dr. Supriya Mehrotra/Mr. Jaimit Singh

Enclosed Reports :

- All Method Report
- Method Wise Participant Report
- Graphical Report
- Participants Complete Data Report

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HEMATOLOGY
ALL METHOD REPORT

Cycle-11/2022
Round -3

Date: 25/05/2022

Lab Code: 2359

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	11.3	-0.7
WBC $\times 10^3/\mu\text{l}$.	169	10.7	2.0	0.19	6.8-14.6	10.7	0.0
RBC $\times 10^6/\mu\text{l}$.	168	4.0	0.1	0.01	3.76-4.24	3.82	-1.8
Hct%	167	35.7	2.3	0.22	31.1-40.3	35.6	0.0
MCV fl.	168	89.3	4.6	0.44	80.1-98.5	93.2	0.8
MCH pg.	168	29.1	0.9	0.09	27.3-31.0	29.6	0.6
MCHC gm/dl	168	32.7	2.1	0.20	28.5-36.8	31.7	-0.5
Platelet $\times 10^3/\mu\text{l}$.	168	252.8	21.0	2.03	210.8-294.8	248	-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

Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	P-66, L-26, E-1, M-7	P-61.5-74.4, L-19.3-31.6 Pmyelo-23.4-70.7
Morphology	RBC- normo, mild aniso, WBC- no abnormal or immature cells seen, Platelets markedly increased on smear with few macroplatelets	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	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

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End of Report

Programme Director

Dr. Bandana Mehrotra

Page 1 of 3



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HEMATOLOGY METHOD WISE REPORT

Cycle-11/2022
Round -3

Date: 25/05/2022

Lab Code: 2359

Note: @ parameter 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	0.3	0.05	11.1-12.1	11.3	-1.0
WBC × 10 ³ /μl. @	Electrical impedance	55	10.8	1.8	0.30	7.2-14.5	-	-
RBC × 10 ⁶ /μl.	Electrical impedance	65	4.0	0.1	0.02	3.7-4.2	3.82	-1.8
Hct%	Calculated	29	35.6	1.8	0.42	32.0-39.2	35.6	0.0
MCV fl. @	Electrical impedance	39	89.3	4.1	0.82	81.2-97.4	-	-
MCH pg. @	Calculated	67	28.8	0.6	0.09	27.6-30.0	-	-
MCHC gm/dl @	Calculated	70	32.7	2.1	0.31	28.5-36.9	-	-
Platelet × 10 ³ /μl.	Electrical impedance	63	253.1	19.4	3.06	214.4-291.8	248	-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

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

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End of Report



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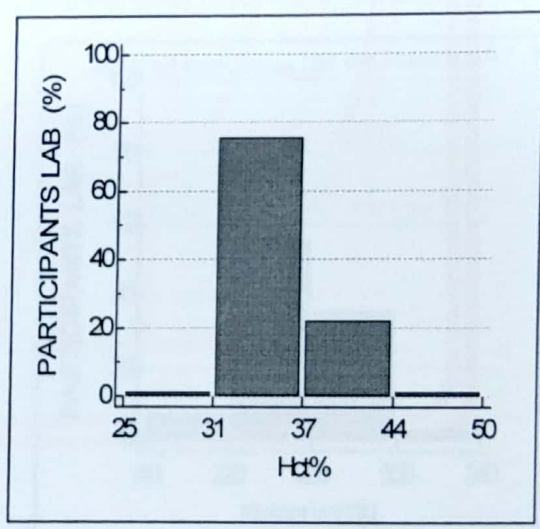
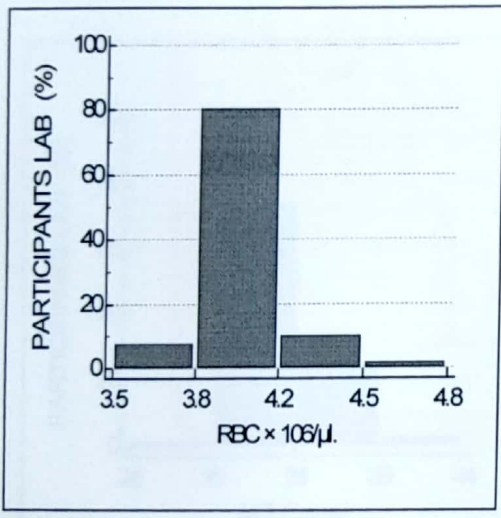
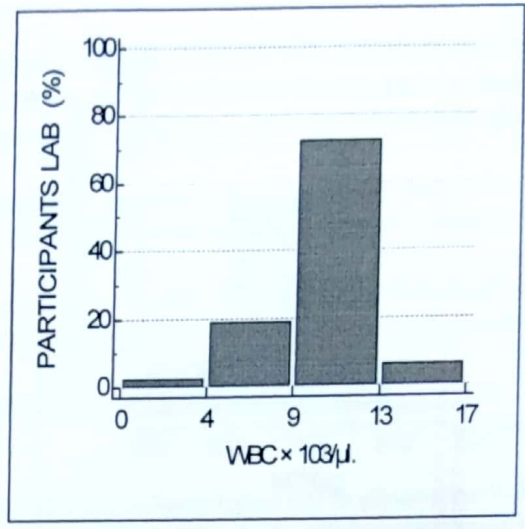
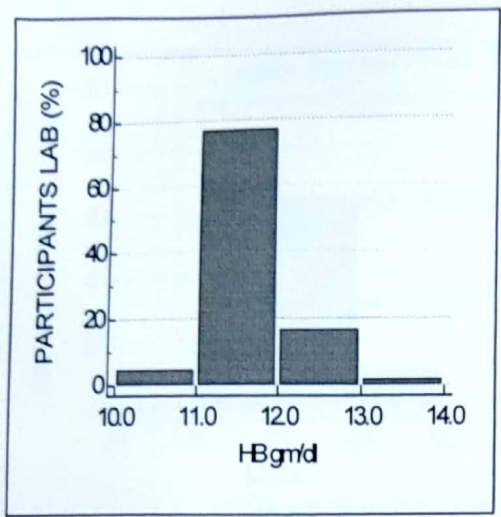


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 11/2022
Round -3

Date: 25/05/2022



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Page 1 of 2



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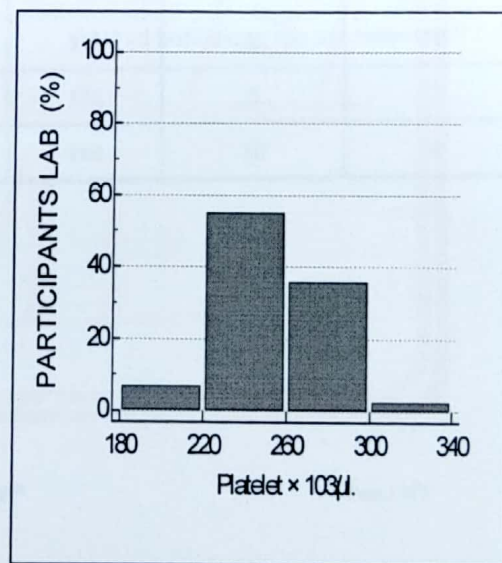
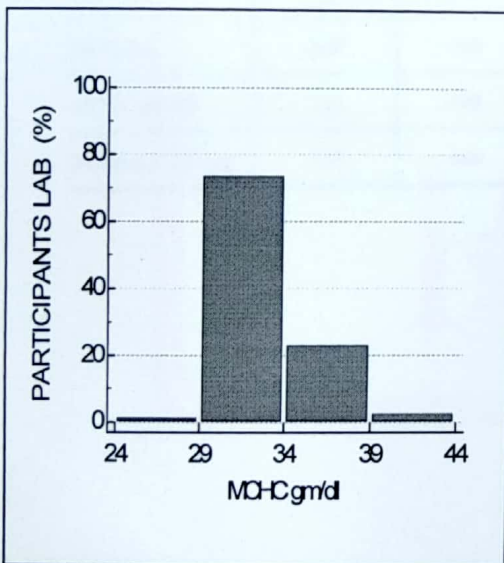
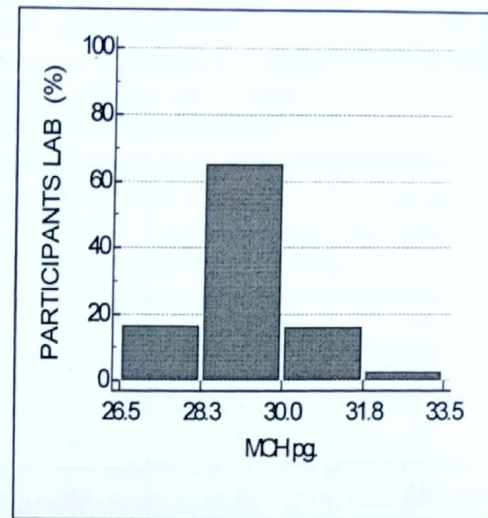
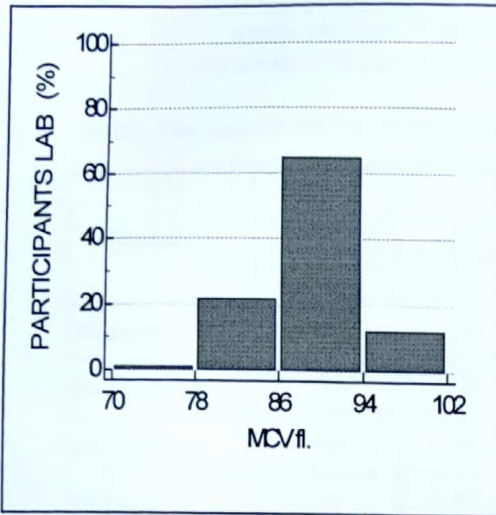


HEMATOLOGY

GRAPHICAL REPORT

Cycle - 11/2022
Round -3

Date: 25/05/2022



Page 2 of 2

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Hematology

ALL PARTICIPANTS COMPLETE DATA REPORT

Cycle - 11/2022

Round No - 3

Date: 25/05/2022

Note:- This report is only for information about the participant's performance in the particular round

Parameters	Total No. of Participants	No. of Responses	No of Participant Excluded from Group Mean	No. of Participants SDI b/w 0.0 - 2	No. of Participants SDI b/w 2.1 - 2.9	No. of Participants SDI >3
Hb gm/dl	193	169	12	137	13	19
WBC × 10 ³ /μl.	193	169	10	133	21	15
RBC × 10 ³ /μl.	193	168	12	138	8	22
HCT%	193	167	7	149	8	10
MCV fl.	193	168	3	159	5	4
MCH pg.	193	168	5	149	9	10
MCHC gm/dl	193	168	2	156	5	7
Platelet × 10 ³ /μl.	193	168	3	149	10	9

****End of Report****

Page 5 of 5


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RML - Quality Assurance Program (RML - QAP)



HAEMATOLOGY

Lab Code No. 2359

Cycle No.:11
Round No.:03

Sample Receiving Date: 20/4/2022

Sample Testing Date: 27/4/2022

Dispatch Date:18-04-2022

Last Date for Result Submission- 02-05-2022

Sample-1: COMPLETE BLOOD COUNT

This specimen is an anticoagulated whole blood specimen. Determine its CBC by your usual method which may be manual or by Autoanalyser.

Report of CBC

Method: i) Automatic ii) Manual

Note: (1) You must perform each test and report the values in the prescribed columns.

Test Parameters	Unit	Result	Instrument Name
Hb	g/dl.	<u>11.3</u>	<u>Greenjay KT 6610</u>
WBC	10 ³ /μl.	<u>10.7</u>	
RBC	10 ⁶ /μl.	<u>3.82</u>	
HCT / PCV	%	<u>35.6</u>	
MCV	fl.	<u>93.2</u>	
MCH	Pg.	<u>29.6</u>	
MCHC	g/dl	<u>31.7</u>	
Platelet	10 ³ / μl	<u>248</u>	

Sample-2: PERIPHERAL BLOOD SMEAR

One stained alcohol fixed and air dried Peripheral smear is provided. Please report D.L.C. and comment on RBC/ WBC morphology and Platelet i.e. report five noticeable/ relevant features observed. Only first five RBC/ WBC morphology features will be included in your assessment. Reporting of diagnosis is compulsory.

Clinical Summary:-

An 18 year old female presented with chief complaints of headache since last 2 months on & off not relieved by medication, transient visual disturbance x 1 month. On examination mild splenomegaly was noted. A complete blood count was ordered by the physician- Hb-12.1gm/dl, TLC- 5.5x10³cells/mm³, Platelet-1074 x10³ /mm³

Report of Blood Film

No. of cells counted 100 Blasts% — Promyelocytes % — Myelocytes % —

Meta myelocytes % — Stabs % — Polymorphs% 56 Lymphocytes % 26

Eosinophils 01 Monocytes % 07 Basophils — NRBC/ 100 WBCs —

Morphology & Other positive Findings

RBC : Normal, mild aniso
WBC : No abnormal or immature cells seen.
Platelets : Markedly increased on smear with few macroplatelets.

Diagnosis

Thrombocytosis

Note: -

- It is mandatory to attach the machine printout along with the result.
- You are request to report the result only in above mentioned decimal point & units.
- You may also send your results through mail, to avoid any delay in result submission.

[Signature]
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Page 1 of 1

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