

HEMATOLOGY

PEER GROUP REPORT

HORIBA INSTRUMENTS- H550/H1500

Cycle-13/2024

Lab Code: 3365

Round -05

Date: 28/10/2024

Complete Blood Count (CBC)

Parameters	Instrument Group	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Z Score
12Hb gm/dl	Horiba-H550/H1500	62	11.9	0.5	0.08	10.9-12.9	11.8	-0.2
WBC × 10 ³ /μl.	Horiba-H550/H1500	62	8.3	0.6	0.10	7.1-9.6	8.1	-0.3
RBC × 10 ⁶ /μl.	Horiba-H550/H1500	62	4.2	0.2	0.03	3.8-4.7	4.32	0.6
Hct%	Horiba-H550/H1500	62	35.8	1.9	0.30	32.0-39.6	36.8	0.5
MCV fl.	Horiba-H550/H1500	62	84.5	2.1	0.33	80.2-88.8	85.2	0.3
MCH pg.	Horiba-H550/H1500	62	28.1	0.6	0.10	26.9-29.3	27.3	-1.3
MCHC gm/dl	Horiba-H550/H1500	62	33.0	0.8	0.13	31.4-34.7	32.1	-1.1
Platelet × 10 ³ /μl.	Horiba-H550/H1500	62	351.5	19.5	3.10	312.4-390.6	356	0.2

Interpretation of Z Score:

Z Score Value(+/-)	[Z] ≤ 2.0	2.0 < [Z] < 3.0	[Z] ≥ 3.0
Interpretation	Satisfactory Performance No signal	Questionable Warning Signal	Unsatisfactory Performance action Signal

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

Prepared By: TC

Checked By: 

****End of Report****

Differential Leukocyte Count
(Digital Hematology QAP)
Digital Hematology Morphology QAP Programme
Participant Result of Round-05, Cycle-13

Lab Code: 3365

1. One slide was sent for Digital Hematology Morphology for Round -05, C-13.
2. For Round-05, C-13, the total number of participants enrolled in the Digital Hematology Morphology Program was 493.
3. For slide 01, there were 270 responses were received.
4. Individual participant's results are available on their respective login site on the web. The details of the morphological agreement and disagreement with pictures are also available on the portal for review.
5. The Expert comments for the Submitted slides were examined by three experienced examiners at RML-QAP.
6. The Slides submitted were stained by Wright-Giemsa stains.
7. The Examiner Details of RML- QAP Digital Hematology Morphology R-05, C-13 slides:

Slide 01: Expert opinion-- Acute Leukemia -ALL

8. The ICSH guidelines for morphological assessment recommend standardizing nomenclature and grading peripheral blood cell morphological features.
9. Gulati's reference, which was shared in the last email, is recommended for RBC morphology evaluation and grading.

Doc. No.: ASS / FR / 06 J / R 01 / Dt.: 05.01.2024



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Differential Leukocyte Count
(Digital Hematology QAP)
Digital Hematology Morphology QAP Programme
Participant Result of Round-05, Cycle-13

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Slide-01

- 270 participants participated in slide -01.
- Result of the RML-QAP examiners largely agreed with the group majority.
- Compared to the **examiner**, the average WBC agreement was **74.8 %**.
- Compared to the **examiner**, the average RBC agreement was **71.4 %**.
- Compared to the **majority of participants**, the average WBC agreement was **77.6 %**.
- Compared to the **majority of participants**, the average RBC agreement was **85.7 %**.

Compared to Examiner

WBC Agreement	RBC Agreement
74.8 %	71.4 %

Compared to the Majority of Participants

WBC Agreement	RBC Agreement
77.6 %	85.7 %

Your Slide 1 Comment: NIL

Criteria for Evaluation

% of Agreement	Performance
<50	Poor performance
50-60 %	Borderline
60-70 %	Satisfactory
70-80 %	Good
>80 %	Optimal

End of Report

Chief Coordinator



Dr. Sanjay Mehrotra

Programme Director



Dr. Bandana Mehrotra

Prepared By: SM

Checked By: 

