

## HEMATOLOGY

### PEER GROUP REPORT

HORIBA INSTRUMENTS- H550/H1500

#### Amended Report

Cycle-13/2024

Lab Code: 3359

Round -04

Date: 31/08/2024

#### Complete Blood Count (CBC)

Parameters	Instrument Group	No. of Participants	Robust Mean	Robust Standard deviation (SD)	Uncertainty of Assign Values	Range ( $\pm 2$ SD)	Your Value	Z Score
Hb gm/dl	Horiba-H550/H1500	53	11.9	0.4	0.07	11.2-12.7	11.6	-0.8
WBC $\times 10^3/\mu\text{L}$	Horiba-H550/H1500	53	8.0	0.8	0.14	6.5-9.6	8.38	0.4
RBC $\times 10^6/\mu\text{L}$	Horiba-H550/H1500	53	4.2	0.1	0.02	3.9-4.4	4.19	0.2
Hct%	Horiba-H550/H1500	53	34.8	1.1	0.18	32.6-36.9	35.8	1.0
MCV fL	Horiba-H550/H1500	53	83.7	1.9	0.33	79.8-87.5	85.5	0.9
MCH pg.	Horiba-H550/H1500	53	28.7	0.8	0.14	27.1-30.3	27.7	-1.2
MCHC gm/dl	Horiba-H550/H1500	53	34.2	1.2	0.20	31.8-36.5	32.0	-1.8
Platelet $\times 10^3/\mu\text{L}$	Horiba-H550/H1500	53	334.7	24.7	4.24	285.3-384.0	336	0.1

#### Interpretation of Z Score:

Z Score Value(+/-)	$ Z  \leq 2.0$	$2.0 <  Z  < 3.0$	$ Z  \geq 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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Note: Typographical error done by participants in WBC Parameter (8380 to 8.30), query raised after dispatch of Assessment Report, Hence the amendment done. Previous issued report has been suspended

Chief Coordinator



Dr. Sanjay Mehrotra

Programme Director



Dr. Bandana Mehrotra

Prepared By: DP

Checked By: 

\*\*End of Report\*\*

## Digital Hematology Morphology QAP Programme

### Result Overview of Round-04, Cycle-13

1. One slide was sent for Digital Hematology Morphology for Round -04,C-13.
2. For Round -04, C-13, the total number of participants enrolled in the Digital Hematology Morphology Program was 474.
3. For slide 01, there were 179 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 Giemsa stain.
7. The Examiner Details of RML- QAP Digital Hematology Morphology R-04, C-13 slides:
  - a. **Slide 01: Expert opinion - Peripheral Blood Smear Normal WBC & RBC Morphology.**
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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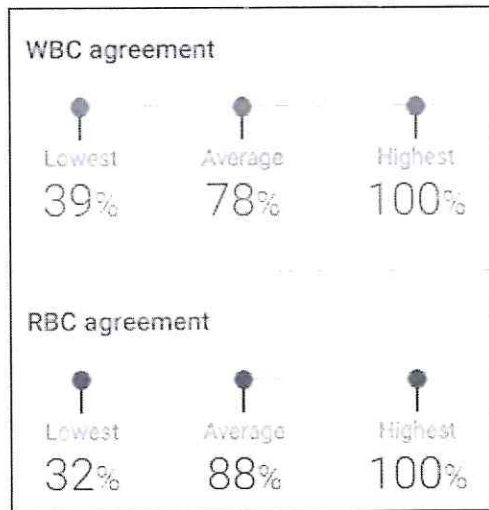
## Digital Hematology Morphology QAP Programme

### Result Overview of Round-04, Cycle-13

#### Slide -01

- 179 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 **78 %**.
- Compared to the **examiner**, the average RBC agreement was **88 %**.
- Compared to the **majority of participants**, the average WBC agreement was **79 %**.
- Compared to the **majority of participants**, the average RBC agreement was **88 %**.

#### Compared to Examiner



#### Compared to the Majority of Participants



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