

**HEMATOLOGY**  
**METHOD WISE REPORT**

**Cycle-13/2024**  
**Round -04**

**Lab Code: 3115**

**Date: 31/08/2024**

**Complete Blood Count (CBC)**

Parameters	Method Group	No.of Participants	Method Wise Robust Mean	Method Wise Robust Standard deviation (SD)	Method Wise Uncertainty of Assign Values	Method Wise Range ( $\pm 2$ SD)	Your Value	Method Wise Z Score
Hb gm/dl	Photometric	108	11.9	0.4	0.05	11.0-12.8	11.9	0.0
WBC $\times 10^3/\mu\text{l}$ .	Electrical impedance	121	11.0	1.5	0.18	7.9-14.1	9.5	-1.0
RBC $\times 10^6/\mu\text{l}$ .	Electrical impedance	149	4.1	0.1	0.01	3.8-4.4	4.17	0.6
Hct%	Calculated	136	35.6	2.2	0.24	31.2-40.1	33.9	-0.8
MCV fl.	Calculated	109	86.9	4.7	0.56	77.6-96.2	81.3	-1.2
MCH pg.	Calculated	159	29.3	1.2	0.11	27.0-31.6	28.6	-0.6
MCHC gm/dl	Calculated	159	33.5	2.0	0.20	29.4-37.5	35.1	0.8
Platelet $\times 10^3/\mu\text{l}$ .	Electrical impedance	141	314.4	37.9	3.99	238.6-390.2	229	-2.3

**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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Chief Coordinator



Dr.Sanjay Mehrotra

Prepared By: NT

Checked By: 

Programme Director



Dr.Bandana Mehrotra

**\*\*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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1 of 2 | Page

## Digital Hematology Morphology QAP Programme

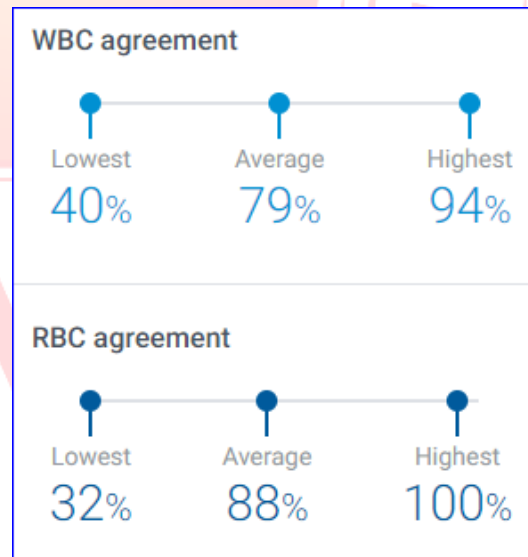
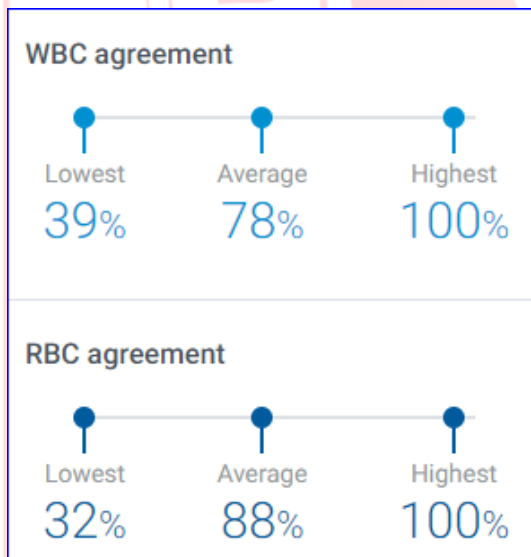
### Result Overview of Round-04, Cycle-13

#### 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



## Digital Hematology Morphology QAP Programme

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

**Lab Code: 3115**

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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.
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1 of 2 | Page

## Digital Hematology Morphology QAP Programme

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

Lab Code: 3115

#### 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 **57.8 %**.
- Compared to the **examiner**, the average RBC agreement was **95.5 %**.
- Compared to the majority of participants, the average WBC agreement was **62.4 %**.
- Compared to the **majority of participants**, the average RBC agreement was **95.5 %**.

#### Compared to Examiner

WBC Agreement	RBC Agreement
57.8 %	95.5 %

#### Compared to the Majority of Participants

WBC Agreement	RBC Agreement
62.4 %	95.5 %

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

Programme Director



Dr. Sanjay Mehrotra



Dr. Bandana Mehrotra

Prepared By: R

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2 of 2 | Page