

Distribution No.: 152- Month/Year:  
February/2021

Instrument ID: SD/HAE/XN-330/01,  
Serial Number: 11093

### COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist.	Total No. responded	% of Labs with Z Score 0-2		% of Labs with Z Score 2-3		% of Labs with Z Score >3	
				Among labs	Within lab	Among labs	Within lab	Among labs	Within lab
WBC x10 <sup>3</sup> /µl	1	271	287	90.59	88.15	4.18	5.23	4.53	4.88
RBC x10 <sup>6</sup> /µl	1	271	287	86.41	88.5	6.97	3.48	5.92	5.57
Hb g/dl	1	271	287	89.9	85.71	5.57	7.32	4.18	6.62
HCT%	1	271	287	97.21	86.76	1.39	5.57	1.05	5.57
MCV-fl	1	271	287	97.56	83.28	1.05	10.45	0.7	5.57
MCH-Pg	1	271	287	87.46	88.85	7.67	3.83	4.18	4.88
MCHC-g/dl	1	271	287	97.21	86.41	0.7	3.48	1.05	6.97
Plt. x10 <sup>3</sup> /µl	1	271	287	87.11	90.24	5.23	3.48	6.97	5.57
ReticCount%	2	271	272	94.49	86.4	3.31	1.47	2.21	12.13
PS Assessment	3	271	280	Acceptable:80.5,Warning Signal:9.2,Unacceptable :10.3					

#### Comments:

1). Among Lab (EQA) : Results acceptable.

2). Within Lab (IQA) : Precision acceptable.

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**Note-1:** EQA (External Quality Assurance) : Your Performance among various of participating labs in PT, to determine the accuracy of your results.

**IQA** ( Internal Quality Assurance) : Your Performance of comparison of two consecutive measurement values within your lab to test the precision of your autoanalyzer.

**Note-2:** Z score among & within lab were calculated, as per to ISO/IEC 13528:2015 standard. Z score among lab (EQA)= (Your Result Sum of two values - Consensus Result sum of two values)/(Normalised IQR)

Z score within lab (IQA)= (Your Result Difference of two values - Consensus Result difference of two values)/(Normalised IQR)

IQR = Quartile 3 - Quartile 1 of participant data, Normalised IQR = 0.7413 x IQR

**Note-3:** Z score 0 to ±2: Acceptable, Z score ±2 to ±3 :Warning Signal, Z score > ±3 : Unacceptable [As per ISO/IEC 13528:2015 standard]

**Note-4:** Z score value between "0 to ±2" are texted in green colour. Z score value between "±2 to ±3" are texted in orange colour. Z score value > ±3 are texted in red colour.

**Note-5:** Homogeneity and stability testing of PT sample were done as per ISO 13528:2015 standard. To pass homogeneity test, between sample SD (Ss) should be smaller than the check value (0.3\*SDPA). To pass the stability test, average difference in measurement values of first and last day sample ( $\bar{x}-\bar{y}$ ) should be smaller than the check value (0.3\*SDPA).

**Note-6:** ISHTM-AIIMS-EQAP does not subcontract any task of its scheme

**Note-7:** Participants are free to use methods/analyzer of their own choice.

**Note-8:** Proficiency testing (PT ) samples are sent quarterly to each participant.

**Note-9:** All the necessary details regarding design and implementation of PT, are provided in the instruction sheet as well as on programme's website [www.ishtmaiimseqap.com](http://www.ishtmaiimseqap.com).

Report authorized by,

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