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 x10^3/µl	1	450	351	89.17	76.35	6.55	8.26	4.27	15.38
RBC x10^6/µl	1	450	351	79.77	86.61	8.55	5.7	11.68	7.69
Hb g/dl	1	450	351	84.9	92.88	6.55	3.7	8.55	3.42
HCT%	1	450	348	81.9	84.77	10.34	6.03	7.76	9.2
MCV-fl	1	450	350	85.71	92.57	8.86	3.43	5.43	4
MCH-Pg	1	450	350	86.29	86.29	7.14	3.43	6.57	10.29
MCHC-g/dl	1	450	350	87.14	86	8.29	6.29	4.57	7.71
Plt. x10^3/µl	1	450	350	78	87.14	11.71	7.14	10.29	5.71
ReticCount%	2	450	293	87.37	79.18	4.78	10.92	5.46	7.51
PS Assessment	3	450	355	Acceptable:90.1%,Warning Signal:8.1%,Unacceptable :1.8%					

Comments:

1). Among Lab (EQA) : RBC,PLT,RETIC out of acceptable rang, check calibration/human error. Remaining results Acceptable.

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

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.

Report authorized by,

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