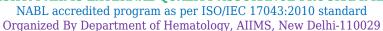




PROFICIENCY TESTING REPORT

ISHTM-AIIMS EXTERNAL QUALITY ASSURANCE PROGRAMME





Duration of stability testing - minimum upto 8 days at ambient temp. after dispatch of specimens

Instrument ID: ERBA H560 {SR.NO. :-K1104B2141071)

Name & Contact No. of PT Co-ordinator: Dr. Manoranjan Mahapatra (Prof. & Head), Hematology, AIIMS, Delhi,

Tel: 9013085730 , E-Mail : accuracy2000@gmail.com **Date of issue & status of the report:** 19-09-2023[Final].

CBC and Retic Assessment

				Among Lab (Accuracy Testing)				Within Lab (Precision Testing)				
Test Parameters	S.No.	Your Result 1		Your Results Sum of 2 Value	Consensus result sum of 2 values (Assigned Value)	Uncertainty		Results		Uncertainty of Assigned Values	Z Score	
WBC x10³/μl	1	3.93	3.79	7.72	6.86	0.043	0.98	0.14	0.08	0.006	0.90	
RBC x10 ⁶ /μl	1	4.94	4.89	9.83	9.52	0.016	1.01	0.05	0.04	0.004	0.10	
Hb g/dl	1	12.5	12.5	25	25.3	0.036	-0.37	0	0.1	0.011	-0.67	
НСТ%	1	48.9	48	96.9	80.7	0.256	3.01	0.9	0.4	0.045	0.84	
MCV-fl	1	99	98.3	197.3	169.25	0.451	2.89	0.7	0.3	0.030	0.90	
МСН-Рд	1	25.5	25.4	50.9	53	0.104	-1.06	0.1	0.2	0.018	-0.45	
MCHC-g/dl	1	25.9	25.7	51.6	63.1	0.231	-2.48	0.2	0.3	0.027	-0.28	
Plt. x10³/μl	1	168	163	331	316.5	2.317	0.28	5	7	0.578	-0.30	
Retic %	2	3	2.8	5.8	1.58	0.054	2.92	0.2	0.2	0.014	0.00	

P.S. Assesment

		YOUR REPORT	CONSENSUS REPORT				
DLC%	3		Poly: 37 - 52, Myelo: 15 - 27, Meta: 9- 17, Promyelo: 2-8, Lympho: 2- 5, Blast: 1-4, Eosino: 1-3, Mono: 1-2, nRBC/ Baso: 0-5				
RBC Morphology	. 3		Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, hypochromic, Mild: Poikilocytosis				
Diagnosis	3	Chronic myelogenous leukaemia.	Chronic Myeloid Leukemia (Chronic Phase)				

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants	Total No. responded	% of Labs with Z Score 0-2		% of Labs with Z Score 2-3		% of Labs with Z Score >3		
rest parameters		current dist. 1600		Among labs	Within lab	Among labs	Within lab	Among labs	Within lab	
WBC x10³/μl	1	199	198	86.36	93.43	3.54	1.01	10.1	5.56	
RBC x10 ⁶ /μl	1	199	199	87.44	86.93	5.53	5.53	7.03	7.54	
Hb g/dl	1	199	199	86.93	82.91	6.53	5.53	6.54	11.56	
HCT%	1	199	1 <mark>98</mark>	92.93	90.4	2.53	3.03	4.54	6.57	
MCV-fl	1	199	198	92.42	87.88	6.57	4.04	1.01	8.08	
MCH-Pg	1	199	198	83.33	<mark>9</mark> 2.93	9.09	1.01	7.58	6.06	
MCHC-g/dl	1	199	198	90.91	85.86	5.56	5.05	3.53	9.09	
Plt. x10³/μl	1	199	198	89.39	92.93	6.06	3.54	4.55	3.53	
ReticCount%	2	199	151	85.43	92.72	7.28	9.93	7.29	-2.65	
PS Assessment	3	199	163	Satisfactory :98.5%, Borderline Sat. :0%, Unsatisfactory :1.50%						

*Comments:

- 1). Among Lab (EQA): CBC result for HCT unacceptable, may be due to random/human error
- 2). Within Lab (IQA): Precision acceptable.

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 $> \pm 3$: 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 $> \pm 3$ 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.

 $\textbf{Note-8:} \ \ \textbf{Proficiency testing (PT) samples are sent quarterly to each participant.}$

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.

Note 10: Reports are kept confidential.

Report authorized by,

Dr. Manoranjan Mahapatra (Prof. & Head)

PT Co-ordinator: ISHTM-AIIMS-EQAP

Department of Hematology, AIIMS, New Delhi

-----End Of Report-----