



PROFICIENCY TESTING REPORT
ISHTM-AIIMS EXTERNAL QUALITY ASSURANCE PROGRAMME
 NABL accredited program as per ISO/IEC 17043:2010 standard Organized
 By Department of Hematology, AIIMS, New Delhi-110029



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

EQAP CODE No. : 3268

Distribution No.: 150-I

Month/Year: MARCH/2021

Instrument ID: SYSMEX XP 300

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Date of issue & status of the report: 29-04-2021[Final].

CBC and Retic Assessment

Test Parameters	S.No.	Among Lab (Accuracy Testing)						Within Lab (Precision Testing)			
		Your Result 1	Your Result 2	Your Results Sum of 2 Value	Consensus result sum of 2 values (Assigned Value)	Uncertainty of Assigned Values	Z Score	Yours Results Diff. of 2 Values	Consensus Result Diff. of 2 values (Assigned Value)	Uncertainty of Assigned Values	Z Score
WBC x10 ³ /μl	1	3.6	3.4	7	6.17	0.0480	1.00	0.2	0.1	0.0080	1.28
RBC x10 ⁶ /μl	1	4.07	3.94	8.01	8.13	0.0110	-0.70	0.13	0.04	0.0400	-0.25
Hb g/dl	1	12.7	12.3	25	25.3	0.0450	-0.37	0.4	0.1	0.0120	1.0
HCT%	1	40	38.9	78.9	75.1	0.3170	0.69	1.1	0.4	0.0330	-0.55
MCV-fl	1	98.6	98.3	196.9	184.5	0.6050	1.02	0.3	0.3	0.0360	0.00
MCH-Pg	1	31.3	31.2	62.5	62.3	0.1280	0.10	0.1	0.2	0.0260	-0.34
MCHC-g/dl	1	31.8	31.7	63.5	66.5	0.2700	-0.58	0.1	0.2	0.0270	-0.36
Plt. x10 ³ /μl	1	177	166	343	333	2.11	0.30	11	5	0.51	1.16
Retic %											

P.S . Assesment

YOUR REPORT		CONSENSUS REPORT
DLC%	3	Nrbcs=NIL , Poly=44/10 L=12, E=NIL, Mono/Promono=1 , B1=1 P.M.=8, Mye=15, Meta=9, Other=NIL
RBC Morphology	3	Poly: 55-65, L: 2-10, nRBC/Eo/Mono/Pro: 0-5, Myelo: 10-20, Meta: 10-20, Baso: 0-2
Diagnosis	3	CHRONIC MYELOPROLIFERATIVE DISORDER
		Predominantly: Normocytic Normochromic. Moderate: Anisocytosis. Mild: Microcytic.
		Chronic Myeloid Leukemia (Chronic Phase) : CML-CP

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	115	88.7	57.39	2.61	37.39	8.7	5.22
RBC x10 ⁶ /µl	1	450	115	86.96	88.7	6.09	6.09	6.96	5.22
Hb g/dl	1	450	115	93.04	86.96	5.22	9.57	1.74	3.48
HCT%	1	450	115	96.52	86.96	2.61	5.22	0.87	7.83
MCV-fl	1	450	115	100	93.04	0	3.48	0	3.48
MCH-Pg	1	450	115	87.83	93.91	6.96	2.61	5.22	3.48
MCHC-g/dl	1	450	115	99.13	86.09	0	6.96	0.87	6.09
Plt. x10 ³ /µl	1	450	115	92.17	98.26	4.35	1.74	3.48	0
ReticCount%	2	450	94	89.36	80.85	6.38	1.06	5.32	20.21
PS Assessment	3	450	108	Acceptable:94.5%,Warning Signal:4.6%,Unacceptable :0.9%					

***Comments:**

- 1). **Among Lab (EQA) : Results acceptable.**
- 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 > ±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 (x-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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