



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. : 2487

Distribution No.: 149-E

Month/Year: December/2019

Instrument ID: Medonic M-20 30972

Name & Contact No. of PT Co-ordinator: Dr. Renu Saxena (Prof & Head), Hematology, AIIMS, Delhi,
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Date of issue & status of the report: 09-03-2020[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	4.8	4.6	9.4	9.3	0.0230	0.15	0.2	0.1	0.0060	0.79
RBC x10 ⁶ /µl	1	4.18	4.14	8.32	8.21	0.0070	0.53	0.04	0.04	0.0020	0.00
Hb g/dl	1	11.1	11	22.1	22.1	0.0190	0.00	0.1	0.1	0.0060	0.00
HCT%	1	34.8	34.4	69.2	67.6	0.1260	0.42	0.4	0.3	0.0210	0.27
MCV-fl	1	83.2	83	166.2	166.15	0.2610	0.01	0.2	0.3	0.0200	-0.27
MCH-Pg	1	26.6	26.6	53.2	53.9	0.0530	-0.44	0	0.2	0.0120	-0.90
MCHC-g/dl	1	32	31.9	63.9	65	0.1240	-0.30	0.1	0.3	0.0180	-0.54
Plt. x10 ³ /µl	1	187	186	373	401	1.00	-0.97	1	5	0.34	-0.67
Retic %	2	4.5	4.2	8.7	6.7	0.11	0.60	0.3	0.5	0.03	-0.34

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT		
DLC%	3	Nrbcs=08 , Poly=41 L=09, E=04, Mono/Promono=01 , B1=02 P.M.=04, Mye=24, Meta=14, Other=basophils- 01	Poly: 50-60, Lymph: 2-6, nRBC/Eo/Mono/Blast/Pro: 0-5, My: 10-20, Meta: 10-15		
RBC Morphology	3	microcytic, normocytic, normochromic, hypochromic	Predominantly: Normocytic Normochromic. Moderate: Micro. Mild: Hypo, Aniso.		
Diagnosis	3	CML	Chronic Myeloid Leukemia (Chronic Phase) : CML-CP		

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30972**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	370	86.76	88.92	2.97	4.05	10	6.49
RBC x10 ⁶ /µl	1	450	370	91.62	91.89	3.24	3.78	4.59	3.78
Hb g/dl	1	450	370	90.27	91.62	4.32	4.32	5.14	3.78
HCT%	1	450	370	93.24	91.08	5.41	4.32	1.08	4.32
MCV-fl	1	450	370	94.59	92.97	3.78	0.54	1.08	5.95
MCH-Pg	1	450	370	90.54	94.05	4.86	2.43	4.05	2.7
MCHC-g/dl	1	450	370	92.7	88.65	4.59	5.41	2.16	5.41
Plt. x10 ³ /µl	1	450	370	91.89	96.22	5.41	1.62	2.43	1.89
ReticCount%	2	450	304	91.78	98.03	4.61	2.96	3.29	1.32
PS Assessment	3	450	351	Acceptable:96.9%,Warning Signal:2.5%,Unacceptable :0.6%					

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 ($\bar{x}-\bar{y}$) 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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PT Co-ordinator: ISHTM-AIIMS-EQAP

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