



ISHIM-AIIMS EXTERNAL QUALITY ASSURANCE PROGRAMME

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

EQAP CODE No. : 3188

Distribution No.: 149-H

Month/Year: November/2019

Instrument ID: BC-2800 Mindray

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Date of issue & status of the report: 11-12-2019[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	5.8	5.7	11.5	11.25	0.1350	0.16	0.1	0.11	0.0210	-0.07
RBC x10 ⁶ /µl	1	5.4	5.3	10.7	10.05	0.0210		0.1	0.04	0.0060	0.83
Hb g/dl	1	13	12.9	25.9	25.4	0.0570	0.75	0.1	0.1	0.0160	0.00
HCT%	1	41.7	41.6	83.3	78.85	0.3710	0.89	0.1	0.3	0.0560	-0.31
MCV-fl	1	77.6	77.2	154.8	156.85	0.6470	-0.25	0.4	0.2	0.0410	0.67
MCH-Pg	1	24.2	23.8	48	50.6	0.1190	-1.85	0.4	0.2	0.0280	0.90
MCHC-g/dl	1	31.2	30.9	62.1	64	0.3040	-0.53	0.3	0.3	0.0440	0.00
Plt. x10 ³ /µl	1	334	331	665	735	5.55	-1.01	3	9	1.15	-0.41
Retic %	2	2.9	2.5	5.4	6.5	0.39	-0.12	0.4	0.3	48.00	0.15

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT
DLC%	3	Nrbcs=00, Poly=06 L=04, E=00, Mono/Promono=00, B1=90 P.M.=00, Mye=00, Meta=00, Other=00	Blast: 80-90, Poly: 5-7, Lymph: 2-7, Eo/Mono/Pro/My/Meta: 0-4
RBC Morphology	3	Normocytic normochromic	Predominantly: Normocytic Normochromic. Moderate: Anisocytosis. Mild: Microcytic
Diagnosis	3	myeloproliferative disease with blast crisis	Acute Leukemia (myeloid lineage)

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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	100	82	80.49	87.8	10.98	4.88	12.2	10.98
RBC x10 ⁶ /µl	1	100	82	84.15	91.46	6.1	0	13.41	8.54
Hb g/dl	1	100	82	87.8	86.59	4.88	7.32	7.32	9.76
HCT%	1	100	82	90.24	89.02	3.66	0	6.1	13.41
MCV-fl	1	100	82	87.8	91.46	2.44	1.22	9.76	10.98
MCH-Pg	1	100	82	84.15	87.8	7.32	3.66	10.98	10.98
MCHC-g/dl	1	100	82	86.59	90.24	6.1	1.22	7.32	9.76
Plt. x10 ³ /µl	1	100	82	87.8	89.02	4.88	6.1	10.98	8.54
ReticCount%	2	100	62	100	93.55	4.84	8.06	3.23	6.45
PS Assessment	3	100	68	Acceptable:93.5%,Warning Signal:3.9%,Unacceptable :2.6%					

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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