ISHBT

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

NABL Certificate No. PC - 1002

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

EQAP CODE No. : 3013   **Distribution No.: 152-G**   **Month/Year: March/2021**

Instrument ID: BC5300(RD7B101690)

Name & Contact No. of PT Co-ordinator: Dr. Seema Tyagi (Prof.), Hematology, AIIMS, Delhi,
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Date of issue & status of the report: 12-05-2021[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 x10³/µl	1	13.66	13.53	27.19	29.2	0.0870	-1.11	0.13	0.2	0.0150	-0.40
RBC x10⁶/µl	1	4.4	4.38	8.78	9.12	0.0090	-1.64	0.02	0.04	0.0020	-0.54
Hb g/dl	1	12	11.9	23.9	23.4	0.0260	0.96	0.1	0.1	0.0080	0.00
HCT%	1	41.4	41.2	82.6	77.8	0.1760	1.21	0.2	0.4	0.0280	-0.54
MCV-fl	1	94.3	93.9	188.2	171.3	0.3280	2.10	0.4	0.3	0.0250	0.30
MCH-Pg	1	27.4	27.1	54.5	51.5	0.0620	2.08	0.3	0.2	0.0140	0.45
MCHC-g/dl	1	29.1	28.9	58	59.8	0.1410	-0.52	0.2	0.3	0.0200	-0.34
Plt. x10³/µl	1	841	804	1645	1724	5.77	-0.61	37	12	0.95	1.98
Retic %	2	18.4	18.2	36.6	23.5	0.46	1.16	0.2	0.5	0.05	-0.38

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=1 , Poly=22 L=1, E=, Mono/Promono=42 , B1=33 P.M.=4, Mye=, Meta=2, Other=	Blast: 20-80, Mono: 1-30, Poly: 10-25, Lympho: 5-15, Myelo/Promyelo/Meta: 1-5, nRBC/Eos: 0-1
RBC Morphology	3	Normocytic normochromic, macrocytes ,macroovalocytes	Predominantly: Normocytic/Normochromic; Moderate: Microcytosis, Hypochromia; Mild: Anisocytosis, Macrocytosis
Diagnosis	3	ACUTE LEUKEMIA MORPHOLOGY FAVORS AML M4/M5	Acute Myeloid Leukemia (AML)

EQAP Code No.: 3013   Distribution No.: 152-G Month/Year: March/2021   Instrument ID: BC5300(RD7B101690)

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 x10³/µl	1	214	233	87.12	90.56	3	3	9.44	5.58
RBC x10⁶/µl	1	214	233	88.41	91.42	6.87	2.58	4.29	4.72
Hb g/dl	1	214	233	84.55	92.27	6.87	3	7.3	3.86
HCT%	1	214	233	93.13	88.41	5.58	5.58	0.86	5.15
MCV-fl	1	214	233	95.71	84.12	3.43	9.44	0	6.01
MCH-Pg	1	214	233	86.27	76.39	8.15	18.45	5.15	3.86
MCHC-g/dl	1	214	233	93.13	87.55	4.72	6.01	1.72	4.72
Plt. x10³/µl	1	214	233	85.41	88.84	9.87	3.43	4.29	7.3
ReticCount%	2	214	214	96.73	92.99	2.34	5.14	0.93	2.34
PS Assessment	3	214	221	Acceptable:80.8,Warning Signal:10.3,Unacceptable :8.9					

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 ($\bar{x}-\bar{y}$) should be smaller than the check value (0.3*SDPA).
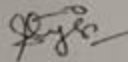
Note-6: ISHTM-AIIMS-EQAP does not subcontract any task of its scheme

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,

Dr. Seema Tyagi (Prof.)
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