



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. : 3189

Distribution No.: 149-H

Month/Year: November/2019

Instrument ID: PENTRAXL80 - 811PXL8479

Name & Contact No. of PT Co-ordinator: Dr. Renu Saxena (Prof & Head), Hematology, AIIMS, Delhi,
 Tel: 9013085730 , E-Mail : accuracy2000@gmail.com

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	6.2	5.9	12.1	11.25	0.1350	0.55	0.3	0.11	0.0210	1.28
RBC x10 ⁶ /µl	1	4.96	4.92	9.88	10.05	0.0210	-0.60	0.04	0.04	0.0060	0.00
Hb g/dl	1	12.6	12.6	25.2	25.4	0.0570	-0.30	0	0.1	0.0160	-0.67
HCT%	1	36.9	36.9	73.8	78.85	0.3710	-1.01	0	0.3	0.0560	-0.51
MCV-fl	1	75	74	149	156.85	0.6470	-0.94	1	0.2	0.0410	2.70
MCH-Pg	1	25.5	25.3	50.8	50.6	0.1190	0.14	0.2	0.2	0.0280	0.00
MCHC-g/dl	1	34.1	34	68.1	64	0.3040	1.14	0.1	0.3	0.0440	-0.67
Plt. x10 ³ /µl	1	374	372	746	735	5.55	0.16	2	9	1.15	-0.57
Retic %	2	0.2	0.1	0.3	6.5	0.39	-0.67	0.1	0.3	48.00	-0.30

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT		
DLC%	3	Nrbcs=03 , Poly=02 L=04, E=01, Mono/Promono= , B1=90 P.M.=, Mye=02, Meta=01, Other=	Blast: 80-90, Poly: 5-7, Lymph: 2-7, Eo/Mono/Pro/My/Meta: 0-4		
RBC Morphology	3	MICROCYTIC HYPOCHROMIC	Predominantly: Normocytic Normochromic. Moderate: Anisocytosis. Mild: Microcytic		
Diagnosis	3	ACUTE LEUKEMIA. ADVISED FLOW CYTOMETRY	Acute Leukemia (myeloid lineage)		

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).

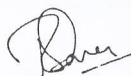
Note-6: ISHTM-AIIMS-EQAP does not subcontract any task of its scheme

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,



Dr. R. Saxena

Prof & Head, Hematology, AIIMS, Delhi.

PT Co-ordinator: ISHTM-AIIMS-EQAP

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

EQAP CODE No. : 3189

Distribution No.: 150-H

Month/Year: January/2020

Instrument ID: ABXPENTRAXL80-811PXL8479

Name & Contact No. of PT Co-ordinator: Dr. Seema Tyagi (Prof.), Hematology, AIIMS, Delhi,
 Tel: 9013085730 , E-Mail : accuracy2000@gmail.com

Date of issue & status of the report: 29-07-2020[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	4.9	4.9	9.8	9.6	0.0560	0.29	0	0.1	0.0140	-0.79
RBC x10 ⁶ /µl	1	3.51	3.49	7	7.02	0.0120	-0.11	0.02	0.02	0.0030	0.00
Hb g/dl	1	11.3	11.3	22.6	22.7	0.0490	-0.13	0	0.1	0.0120	-1.35
HCT%	1	32.5	32.1	64.6	66.3	0.2350	-0.45	0.4	0.3	0.0370	0.27
MCV-fl	1	93	92	185	189.25	0.5880	-0.48	1	0.3	0.0470	1.18
MCH-Pg	1	32.4	32.3	64.7	65	0.1510	-0.13	0.1	0.3	0.0330	-0.63
MCHC-g/dl	1	35.2	34.9	70.1	68.5	0.2730	0.36	0.3	0.4	0.0350	-0.34
Plt. x10 ³ /µl	1	163	161	324	334	1.99	-0.36	2	5	0.48	-0.67
Retic %	2										

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT	
DLC%	3	Nrbcs=02 , Poly=66 L=03, E=01, Mono/Promono=02 , B1=07 P.M.=, Mye=17, Meta=04, Other=	Poly: 45-55, L: 2-7, nRBC/Eo/Mono/Blast/Pro : 0-5, Myelo: 15-25, Meta: 10-20, Baso: 0-3.	
RBC Morphology	3	DIMORPHIC	Predominantly: Normocytic Normochromic, Anisocytosis. Moderate: Hypochromic, Mild: Microcytic.	
Diagnosis	3	POSSIBILITY OF CML. ADVISED PHILADELPHIA CHROMOSOME ANALYSIS FOR CONFIRMATION.	Chronic Myeloid Leukemia (Chronic Phase) : CML-CP.	

EQAP Code
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150-HMonth/Year:
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				Among labs	Within lab	Among labs	Within lab	Among labs	Within lab
WBC x10 ³ /µl	1	450	108	80.56	80.56	7.41	7.41	8.33	9.26
RBC x10 ⁶ /µl	1	450	108	84.26	84.26	3.7	5.56	12.04	9.26
Hb g/dl	1	450	108	87.04	90.74	9.26	0.93	3.7	8.33
HCT%	1	450	108	92.59	85.19	5.56	3.7	1.85	10.19
MCV-fl	1	450	108	89.81	92.59	7.41	1.85	2.78	5.56
MCH-Pg	1	450	108	89.81	84.26	7.41	8.33	2.78	7.41
MCHC-g/dl	1	450	108	93.52	83.33	5.56	10.19	0	5.56
Plt. x10 ³ /µl	1	450	108	85.19	91.67	4.63	1.85	10.19	6.48
ReticCount%	2	450	88	84.09	90.91	6.82	1.14	5.68	9.09
PS Assessment	3	450	97	Acceptable:90.2%,Warning Signal:7.8%,Unacceptable :2%					

***Comments:**

1). Among Lab (EQA) : Results acceptable.

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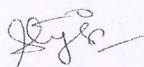
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Report authorized by,



Dr. Seema Tyagi (Prof.)

PT Co-ordinator: ISHTM-AIIMS-EQAP

Department of Hematology, AIIMS, New Delhi

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