



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. : 1079

Distribution No.: 149-C

Month/Year: December/2019

Instrument ID: ABX MICROS HORIBA

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: 24-12-2019[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	14.2	14.1	28.3	30.11		-1.28	0.1	0.2		-0.50
RBC x10 ⁶ /µl	1	3.24	3.22	6.46	6.74		-1.72	0.02	0.03		-0.27
Hb g/dl	1	11	10.9	21.9	23.3		-2.36	0.1	0.1		0.00
HCT%	1	38.4	38.4	76.8	74.05		0.67	0	0.3		-0.81
MCV-fl	1	113.8	113.5	227.3	219		0.80	0.3	0.3		0.00
MCH-Pg	1	33.4	33.4	66.8	69.2		-1.30	0	0.3		-1.01
MCHC-g/dl	1	28.2	28.2	56.4	63.1		-2.03	0	0.3		-1.01
Plt. x10 ³ /µl	1	449	444	893	823		1.08	5	8		-0.37
Retic %	2	6.1	5.94	12.04	7.2		0.96	0.16	0.4		-0.81

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT
DLC%	3	Nrbcs= , Poly=52 L=10, E=6, Mono/Promono=2 , B1=4 P.M.=1, Mye=14, Meta=12, Other=	
RBC Morphology	3	Nc/Nc, ANiso, Poik, Macro	
Diagnosis	3	CML	

EQAP Code No.:
1079

Distribution No.: 149-C Month/Year: December/2019

Instrument ID: ABX MICROS
HORIBA**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		373	89.81	93.03	4.29	3.22	5.63	3.49
RBC x10 ⁶ /µl	1		373	87.67	89.01	6.7	3.75	5.36	6.7
Hb g/dl	1		373	86.33	88.74	6.97	3.22	6.43	7.77
HCT%	1		373	96.51	89.54	1.34	4.29	1.88	5.09
MCV-fl	1		373	94.1	94.37	3.49	1.07	2.14	4.29
MCH-Pg	1		373	88.74	91.96	4.02	3.75	6.97	4.02
MCHC-g/dl	1		373	92.23	87.4	5.09	5.63	2.41	6.17
Plt. x10 ³ /µl	1		373	86.33	90.62	6.7	3.49	6.7	5.63
ReticCount%	2		266	90.23	95.86	4.89	0.38	3.01	6.39
PS Assessment	3		354	Acceptable:,Warning Signal:,Unacceptable :					

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

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