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

PC-1002

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

EQAP CODE No. : 853   **Distribution No.: 163-A**   **Month/Year:** January/2024
Instrument ID: SYSMEX   **Model Name.:** XN-L 330.   **Serial No.:** 15454
Name & Contact No. of PT Co-ordinator: Dr. Manoranjan Mahapatra (Prof. & Head), Hematology, AIIMS, Delhi,
Tel: 9013085730 , E-Mail : accuracy2000@gmail.com
Date of issue & status of the report: 05-04-2024[Final].

CBC and Retic Assessment

Test Parameters	S.No.	Your Result 1	Your Result 2	Among Lab (Accuracy Testing)				Within Lab (Precision Testing)			
				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	9.21	9.16	18.37	16.6	0.050	1.35	0.05	0.11	0.007	-0.58
RBC x10⁶/µl	1	5.09	5.08	10.17	10.18	0.009	-0.04	0.01	0.04	0.003	-0.67
Hb g/dl	1	13.2	13	26.2	26.53	0.019	-0.64	0.2	0.1	0.007	1.35
HCT%	1	40.1	40	80.1	83.9	0.145	-0.88	0.1	0.3	0.022	-0.54
MCV-fl	1	78.8	78.7	157.5	165.15	0.234	-1.05	0.1	0.2	0.018	-0.34
MCH-Pg	1	25.9	25.6	51.5	52.2	0.045	-0.52	0.3	0.2	0.012	0.67
MCHC-g/dl	1	32.9	32.5	65.4	63.1	0.111	0.71	0.4	0.2	0.015	0.90
Plt. x10³/µl	1	32	29	61	116.5	1.599	-1.11	3	5	0.302	-0.39
Retic %	2	9.5	9	18.5	27.4	0.394	-0.80	0.5	0.6	0.047	-0.14

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=0 , Poly=60 L=33, E=03, Mono/Promono=04 , B1=0 P.M.=0, Mye=0, Meta=0, Other=PLATELETS ADEQUATE	Poly: 56 – 65, Lympho: 30– 38, Mono: 2-4, Eosino: 1-3, Myelo/Meta/Promyelo/Blast/Baso: 0-5
RBC Morphology	3	SPHEROCYTES, ANISOPOIKILOCYTOSIS, FEW MACROCYTES	Predominantly: Normocytic/Normochromic with Mild Anisocytosis
Diagnosis	3	HEREDITORY SPHEROCYTOSIS	SPherocytic Hemolytic Anemia

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 163--A	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	357	356	86.52	91.01	6.74	1.69	6.74	7.3
RBC x10⁶/µl	1	357	357	90.2	89.36	5.04	3.92	4.76	6.72
Hb g/dl	1	357	357	90.2	89.92	4.76	4.76	5.04	5.32
HCT%	1	357	356	92.98	91.01	4.49	1.97	2.53	7.02
MCV-fl	1	357	356	95.51	88.2	3.65	6.18	0.84	5.62
MCH-Pg	1	357	356	90.17	91.29	5.62	3.37	4.21	5.34
MCHC-g/dl	1	357	356	92.98	89.61	5.34	3.37	1.68	7.02
Plt. x10³/µl	1	357	356	95.51	89.89	1.69	3.37	2.8	6.74
ReticCount%	2	357	335	93.13	91.94	5.07	3.88	1.8	4.18
PS Assessment	3	357	317	Satisfactory :89.64%, Borderline Sat. :5.32%, Unsatisfactory :5.04%					

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 (x̄-ȳ) 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.

Note 10: Reports are kept confidential.

Report authorized by,

Dr. Manoranjan Mahapatra (Prof. & Head)
PT Co-ordinator: ISHTM-AIIMS-EQAP
Department of Hematology, AIIMS, New Delhi

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

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PARTICIPATION CERTIFICATE

[Certificate No. EQAP/853/2023/30]

Date 30.12.2023

This is to certify that" **AGILUS PATH LABS-DR.PHADKE LABS - DR.TECKCHANDANI LAB., THANE, MAHARASHTRA, 400706** "has participated in the "ISHTM-AIIMS External Quality Assurance Program" for the period "January 2023 to December 2023".

Report authorized by,

Dr. Manoranjan Mahapatra (Prof. & Head)
PT Co-ordinator: ISHTM-AIIMS-EQAP
Department of Hematology, AIIMS, New Delhi