PROFICIENCYTESTINGREPORT

ISHTM-AIIMSEXTERNALQUALITYASSURANCE PROGRAMME

NABL accredited program as per ISO/IEC 17043:2010 standard

Organized By Department of Hematology, AIIMS, New Delhi-110029

Durationofstabilitytesting-minimumupto8daysatambienttemp.afterdispatchofspecimens

EQAPCODENo.: 5755 **DistributionNo.:**162-O **Month/Year:**December/2023

InstrumentID:TRANSASIA **ModelName.:**SYSMEX KX-21 **SerialNo.:**B2261

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

Dateofissue&statusofthereport:08-03-2024[Final].

CBCandReticAssessment

Test Parameters	S.No.			AmongLab(AccuracyTesting)				WithinLab(PrecisionTesting)			
		Your Result 1	Your Result 2	Your Results Sum of 2 Value	Consensus resultsum of 2 values (AssignedValue)	Uncertainty of Assigned Values	Z Score	Yours Results Diff. of 2 Values	Consensus Result Diff. of 2 values (AssignedValue)	Uncertainty of Assigned Values	Z Score
WBCx10³/µl	1	4.4	4.3	8.7	8.94	0.026	-0.40	0.1	0.1	0.007	0.00
RBCx10⁶/µl	1	4.36	4.35	8.71	8.78	0.011	-0.26	0.01	0.03	0.003	-0.39
Hbg/dl	1	12.5	12.3	24.8	25.7	0.023	-1.73	0.2	0.1	0.008	1.35
HCT%	1	38.5	38.5	77	82.84	0.223	-1.04	0	0.3	0.027	-0.67
MCV-fl	1	88.5	88.3	176.8	189.6	0.415	-1.09	0.2	0.2	0.020	0.00
MCH-Pg	1	28.7	28.2	56.9	58.4	0.074	-0.85	0.5	0.2	0.018	1.35
MCHC-g/dl	1	32.5	31.9	64.4	61.45	0.158	0.67	0.6	0.3	0.019	1.01
Plt.x10³/µl	1	144	140	284	267	1.491	0.47	4	4	0.325	0.00
Retic%	2	5.8	5.4	11.2	23.45	0.429	-1.19	0.4	0.6	0.053	-0.35

P.S.Assesment

	YOURREPORT		CONSENSUSREPORT
DLC%	3	Nrbcs=100,Poly=07L=92,E=01, Mono/Promono=0,B1=0P.M.=0,Mye=0, Meta=0, Other=0	Lymp:82-90,Poly:7-10,nRBC/Blast/Myelo/Meta/Mono/Eosino:0-5
RBC Morphology	3	normocyticnormochromic	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis,Mild: Microcytic, Hypochromic.
Diagnosis	3	CLL	ChronicLymphoproliferativeDisorder/CLL

COMBINEDDATAVALUESOFTOTALPARTICIPANTS

Testparameters	S.No.	Total participants coveredinthe current dist. 162--O	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
WBCx10^3/µl	1	250	250	82	92	2.8	3.2	15.2	4.8
RBCx10^6/µl	1	250	250	89.6	89.2	6.8	4	3.6	6.8
Hbg/dl	1	250	250	87.6	90.8	7.2	4	5.2	5.2
HCT%	1	250	250	96.4	87.6	2.8	5.6	0.8	6.8
MCV-fl	1	250	250	98	87.6	2	3.2	0	9.2
MCH-Pg	1	250	250	90.4	93.2	6	3.2	3.6	3.6
MCHC-g/dl	1	250	250	96.8	90.8	3.2	5.2	0	4
Plt.x10^3/µl	1	250	250	92	90	5.6	3.6	2.4	6.4
ReticCount%	2	250	230	93.04	79.57	4.35	10.43	2.61	10.00
PSAssessment	3	250	226	Satisfactory:95.2%,BorderlineSat.:0.8%,Unsatisfactory:4%					

*Comments:

1). AmongLab(EQA):Resultsacceptable.

2). WithinLab(IQA):Precisionacceptable.

Note-1:EQA (External Quality Assurance) : Your Performance among various of participating labs in PT, to determinethe 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: Zscoreamong&withinlabwerecalculated,aspertoISO/IEC13528:2015standard.Zscoreamonglab (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=Quartile3-Quartile1ofparticipantdata,NormalisedIQR=0.7413xIQR

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 passhomogeneity test, between sample SD (Ss) should be smaller than the check value (0.3*SDPA). To pass the stabilitytest, average difference in measurement values of first and last day sample (x-y) should be smaller than the checkvalue (0.3*SDPA).

Note-6:ISHTM-AIIMS-EQAPdoesnotsubcontractanytaskofitsscheme

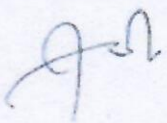
Note-7: Participantsarefreetousemethods/analyzeroftheirownchoice.

Note-8: Proficiencytesting(PT)samplesaresentquarterlytoeachparticipant.

Note-9: All the necessary details regarding design and implementation of PT, are provided in the instruction sheet aswell as on programme's website www.ishtmaiimseqap.com.

Note10: Reportsarekeptconfidential.

Reportauthorizedby,



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