

EQAS											
Name of the laboratory		ASHOK NURSING HOME- DEPARTMENT OF LABORATORY MEDICINE, KRISHNA NAGAR, DELHI									
Lab ID		M-0753									
Address		F-3/15-16, VIJAY CHOWK, KRISHNA NAGAR, DELHI-110051									
EQAS Program		ISHTM -EQAP- AIIMS- 2020 & 2021									
Organising body		AIIMS									
Discipline		Haematology									
Cycle		Nov, 2019		Feb, 2020		Aug, 2020		Jan, 2021			
S.No	Parameter	Z score/En Value/SDI/VIS	Details of root cause analysis in case of unsatisfactory performance	Z score/En Value/SDI/VIS	Details of root cause analysis in case of unsatisfactory performance	Z score/En Value/SDI/VIS	Details of root cause analysis in case of unsatisfactory performance	Z score/En Value/SDI/VIS	Details of root cause analysis in case of unsatisfactory performance	Z score/En Value/SDI/VIS	Details of root cause analysis in case of unsatisfactory performance
	WBC	0.49		2.26		1.01		0.83			
	RBC	-1.47		-0.96		2.16		-1.29			
	HB	-0.17		-0.67		0.22		-0.96			
	HCT	-1.55		-0.66		0.35		-0.99			
	MCV	-1.03		-0.41		0.06		-0.53			
	MCH	1.19		0.25		-0.62		0.43			
	MCHC	1		0.54		-0.34		0.8			
	PLT	58		1.22		1.25		0.21			
	RETIC. COU	-0.34		0.44		0.44		-0.24			
	Among labs (EQA)			satisfactory results							
	Within lab (IQA)			satisfactory precision							

Z SCORE CRITERIA	ACCEPTABILITY
0- ±2	Acceptable
±2 - ± 3	Warning signal
> ±3	Unacceptable

As per ISO/ IEC 13528:2015 standard

Operator

ID. 6410907
Date 2021/08/02
Time 16:26
Mode WB

WBC 12.1 $\times 10^3/\mu\text{L}$
RBC + 6.29 $\times 10^6/\mu\text{L}$
HGB 16.3 g/dL
HCT + 50.1 %
MCV - 79.7 fL
MCH - 25.9 pg
MCHC 32.5 g/dL
PLT AG* 451 $\times 10^3/\mu\text{L}$

LYM% T1 ----.- %
MXD% T1 ----.- %
NEUT% T1 ----.- %
LYM# T1 ----.- $\times 10^3/\mu\text{L}$
MXD# T1 ----.- $\times 10^3/\mu\text{L}$
NEUT# T1 ----.- $\times 10^3/\mu\text{L}$

RDW-SD 50.4 fL
RDW-CV + 19.8 %
PDW DW ----.- fL
MPV DW ----.- fL
P-LCR DW ----.- %
PCT DW ---.--- %

ResearchW 12.147 $\times 10^3/\mu\text{L}$
ResearchS ----.- $\times 10^3/\mu\text{L}$
ResearchM ----.- $\times 10^3/\mu\text{L}$
ResearchL ----.- $\times 10^3/\mu\text{L}$

Operator

ID. 6410905
Date 2021/08/02
Time 15:33
Mode WB

WBC 12.7 $\times 10^3/\mu\text{L}$
RBC + 6.25 $\times 10^6/\mu\text{L}$
HGB 16.2 g/dL
HCT 50.0 %
MCV - 80.0 fL
MCH - 25.9 pg
MCHC 32.4 g/dL
PLT AG* 463 $\times 10^3/\mu\text{L}$

LYM% T1 ----.- %
MXD% T1 ----.- %
NEUT% T1 ----.- %
LYM# T1 ----.- $\times 10^3/\mu\text{L}$
MXD# T1 ----.- $\times 10^3/\mu\text{L}$
NEUT# T1 ----.- $\times 10^3/\mu\text{L}$

RDW-SD 51.0 fL
RDW-CV + 19.8 %
PDW DW ----.- fL
MPV DW ----.- fL
P-LCR DW ----.- %
PCT DW ---.--- %

ResearchW 12.719 $\times 10^3/\mu\text{L}$
ResearchS ----.- $\times 10^3/\mu\text{L}$
ResearchM ----.- $\times 10^3/\mu\text{L}$
ResearchL ----.- $\times 10^3/\mu\text{L}$



Ashok Nursing Home <anhmh12@gmail.com>

eQUAS RESULT FOR THE MONTH OF AUGUST 2021

Ashok Nursing Home <anhmh12@gmail.com>
To: ISHTM-AIIMS-EQAP <accuracy2000@gmail.com>

Tue, Aug 17, 2021 at 4:31 PM

Dear Sir,

We are attaching the equals result for the month of August 2021, Our lab ID is 1169.

Equipment No. XP100A5203
Reticulocyte count is 2.0 % 2.4
Peripheral smear raport -
Blast - 12
Promycocytes - 00
Mycocytes - 00
Mycocytes - 00
Band Form - 04
Polys - 50
Lymph - 32
Eosm 02
Mono - 00
Baso - 00

P.S. Impression : Myeloproleferative disorder

RBC Morfhology - Both macrocytes and microcytes seen with increased central paller (Diamorphic Anemia)
- Macrocytic Hypochromic to Microcytic Hypochromic

Regards,
Ashok Nursing Home



Adobe Scan Aug 17, 2021.pdf
273K



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. : 1169

Distribution No.: 152-C

Month/Year: January/2021

Instrument ID: A 5203 SYSMEX SP-100

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: 25-02-2021[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 x10 ³ /µl	1	4.1	4	8.1	7.2	0.0350	0.83	0.1	0.1	0.0060	0.00
RBC x10 ⁶ /µl	1	3.22	3.19	6.41	6.63	0.0070	-1.29	0.03	0.03	0.0020	0.00
Hb g/dl	1	11.2	11	22.2	22.7	0.0190	-0.96	0.2	0.1	0.0070	1.35
HCT%	1	33.3	33	66.3	71.4	0.1540	-0.99	0.3	0.3	0.0230	0.00
MCV-fl	1	103.4	103.4	206.8	213.95	0.3740	-0.53	0	0.3	0.0270	-0.58
MCH-Pg	1	35.1	34.2	69.3	68.5	0.0680	0.43	0.9	0.3	0.0200	1.62
MCHC-g/dl	1	33.9	33	66.9	63.4	0.1230	0.80	0.9	0.3	0.0190	1.62
Plt. x10 ³ /µl	1	152	143	295	288.5	1.12	0.21	9	4	0.25	1.35
Retic %	2	6	5.6	11.6	13	0.20	-0.24	0.4	0.5	0.02	-0.27

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT
DLC%	3	Nrbcs=0 , Poly=22 L=72, E=0, Mono/Promono=00 , B1=0 P.M.=00, Mye=00, Meta=00, Other=6 SMUDGE CELLS[[lymphocyte]	Lympho: 75-90, Poly: 5-15, Mono: 1-5, nRBC/Blast/Eo/Myelo/Meta: 0-1
RBC Morphology	3	normocytic, hypochromic	Predominantly: Normocytic/Normochromic, Moderate: Anisocytosis, Mild: Microcytosis, Hypo.
Diagnosis	3	CHRONIC LYMPHOCYTIC LEUKEMIA	Chronic Lymphocytic Leukemia (CLL)

EQAP Code No.:
1169

Distribution No.: 152-C Month/Year: January/2021

Instrument ID: A 5203 SYSMEX
SP-100**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	333	344	91.57	85.76	4.94	6.4	2.91	6.1
RBC x10 ⁶ /µl	1	333	344	87.79	90.7	6.4	4.36	5.23	3.2
Hb g/dl	1	333	344	87.21	88.37	7.56	5.23	4.36	5.52
HCT%	1	333	344	96.51	89.53	2.33	4.07	0.58	4.65
MCV-fl	1	333	344	98.55	93.02	0.58	3.2	0.29	3.2
MCH-Pg	1	333	344	88.66	88.95	7.27	6.4	3.49	3.2
MCHC-g/dl	1	333	344	96.8	91.28	2.33	3.49	0.29	4.07
Plt. x10 ³ /µl	1	333	344	91.28	92.73	6.1	4.94	2.03	1.74
ReticCount%	2	333	329	94.22	90.88	3.65	1.22	2.43	8.21
PS Assessment	3	333	339	Acceptable:92.5,Warning Signal:2.7,Unacceptable :4.8					

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.ishtmaimseqap.com.

Report authorized by,



Dr. Seema Tyagi (Prof.)

PT Co-ordinator: ISHTM-AIIMS-EQAP

Department of Hematology, AIIMS, New Delhi

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



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. : 1169

Distribution No.: 151-C

Month/Year: August/2020

Instrument ID: SYSMEX -XP 100 A5203

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: 27-11-2020[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	3.5	3.4	6.9	6.3	0.0220	1.01	0.1	0.1	0.0570	0.00
RBC x10 ⁶ /µl	1	2.85	2.61	5.46	5.14	0.0050	2.16	0.24	0.02	0.0130	7.42
Hb g/dl	1	7.7	7.6	15.3	15.2	0.0160	0.22	0.1	0.1	0.0070	0.00
HCT%	1	23.9	23.4	47.3	46.3	0.1090	0.35	0.5	0.2	0.0110	1.35
MCV-fl	1	90.2	89.7	179.9	179.4	0.3260	0.06	0.5	0.4	0.0270	0.19
MCH-Pg	1	29.1	29.1	58.2	59.4	0.1530	-0.62	0	0.3	0.0240	-1.01
MCHC-g/dl	1	32.5	32.2	64.7	66.1	0.0720	-0.34	0.3	0.4	0.0190	-0.27
Plt. x10 ³ /µl	1	267	266	533	473	1.56	1.25	1	6	0.35	-0.96
Retic %	2	3.6	3.2	6.8	5	0.13	0.44	0.4	0.2	0.02	0.67

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT		
DLC%	3	Nrbcs=00 , Poly=24 L=04, E=04, Mono/Promono=00 , B1=00 P.M.=12, Mye=22, Meta=16, Other=18 BAND FORM	Poly: 25-50, Lymph; 2-7, nRBC/Mono/Eo/Blast/Pro: 0-5, Myelo: 20-35, Meta: 15-25, Baso: 0-3		
RBC Morphology	3	NORMOCHROMIC NORMOCYTIC RBCS	Predominantly: Normocytic Normochromic. Moderate: Anisocytosis. Mild: Microcytic.		
Diagnosis	3	MVI EOPROLYEPATHIC DISORDERS			

EQAP Code No.:
1169

Distribution No.: 151-C Month/Year: August/2020

Instrument ID: SYSMEX -XP 100
A5203**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 /pl	1	450	333	87.09	90.09	4.2	3.6	8.71	6.01
RBC x10 ⁶ /pl	1	450	333	87.39	90.09	8.41	4.5	4.2	4.8
Hb g/dl	1	450	333	87.69	92.49	5.71	4.2	6.61	3.3
HCT%	1	450	333	90.69	92.49	6.01	3	3	3.9
MCV-fl	1	450	333	89.79	91.89	8.41	5.41	1.8	2.7
MCH-Pg	1	450	333	86.79	91.59	7.21	4.2	6.01	3.3
MCHC-g/dl	1	450	333	90.69	92.49	6.61	4.5	2.7	2.7
Plt. x10 ³ /pl	1	450	333	94.59	89.79	3.9	6.91	1.5	3.3
ReticCount%	2	450	291	93.47	87.97	4.81	2.41	1.72	12.03
PS Assessment	3	450	328	Acceptable:75.1%,Warning Signal:24.9%,Unacceptable :0%					

Comments:

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

2). Within Lab (IQA) : Difference in the CBC measurement values for RBC unacceptable, may be due to random/human error.

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 $> \pm 3$: 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 $> \pm 3$ 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.)

PT Co-ordinator: ISHTM-AIIMS-EQAP

Department of Hematology, AIIMS, New Delhi

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