



**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. : 1716

Distribution No.: 152-D

Month/Year: February/2021

Instrument ID: SYSMEX XS- 800i(67677)

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

Date of issue &amp; status of the report: 02-03-2021[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 <sup>3</sup> /µl	1	3.02	3	6.02	5.5	0.0200	0.91	0.02	0.1	0.0050	-1.23
RBC x10 <sup>6</sup> /µl	1	4.71	4.7	9.41	9.32	0.0080	0.43	0.01	0.03	0.0020	-0.67
Hb g/dl	1	13.6	13.5	27.1	27	0.0200	0.17	0.1	0.1	0.0070	0.00
HCT%	1	44	43.7	87.7	83.9	0.1780	0.65	0.3	0.3	0.0200	0.00
MCV-fl	1	93.4	93	186.4	179.9	0.3170	0.62	0.4	0.2	0.0170	0.90
MCH-Pg	1	28.9	28.7	57.6	57.7	0.0540	-0.07	0.2	0.2	0.0140	0.00
MCHC-g/dl	1	31.1	30.7	61.8	64.15	0.1300	-0.52	0.4	0.3	0.0120	0.34
Plt. x10 <sup>3</sup> /µl	1	89	81	170	196	0.75	-1.22	8	4	0.26	0.90
Retic %	2	3.4	2.6	6	5	0.08	0.44	0.8	0.2	0.01	2.02

### P.S . Assesment

YOUR REPORT		CONSENSUS REPORT
DLC%	3	Nrbcs=60/100 WBC , Poly=69 L=16, E=1, Mono/Promono=1 , B1=0 P.M.=1, Mye=6, Meta=8, Other=
RBC Morphology	3	anisopokilocytosis reveal macrocytes, sperocytes , teardrop cells with polychromasia . nucleated rbc seen
Diagnosis	3	leukoerythroblastic blood picture
		Hemolytic Anemia

EQAP Code No.:  
1716

Distribution No.: 152-D Month/Year: February/2021

Instrument ID: SYSMEX XS-  
800i(67677)**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 <sup>3</sup> /µl	1	312	347	89.05	91.93	2.31	1.44	8.36	6.34
RBC x10 <sup>6</sup> /µl	1	312	347	89.63	90.78	6.92	3.46	3.17	5.19
Hb g/dl	1	312	347	91.07	93.08	6.92	2.59	2.02	4.32
HCT%	1	312	347	97.41	91.93	1.73	3.46	0.58	4.32
MCV-fl	1	312	347	97.12	85.59	1.44	8.93	0.86	4.9
MCH-Pg	1	312	347	91.35	90.78	6.05	3.46	2.31	5.48
MCHC-g/dl	1	312	347	98.27	91.93	0.29	3.75	1.15	3.75
Plt. x10 <sup>3</sup> /µl	1	312	347	93.08	91.64	3.46	5.48	3.17	2.59
ReticCount%	2	312	318	93.71	86.48	4.09	2.2	2.2	11.64
PS Assessment	3	312	335	Acceptable:91.4,Warning Signal:7.7,Unacceptable :0.9					

**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. 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**  
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 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. : 1716

Distribution No.: 149-D

Month/Year: November/2019

Instrument ID: Sysmec xs ( 67677)

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 &amp; status of the report: 27-12-2019[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 <sup>3</sup> /µl	1	3.47	3.37	6.84	7.51	0.0150	-1.61	0.1	0.1	0.0050	0.00
RBC x10 <sup>9</sup> /µl	1	3.96	3.92	7.88	8.25	0.0070	-1.74	0.04	0.03	0.0010	6.27
Hb g/dl	1	12.4	12.4	24.8	24.4	0.0130	0.77	0	0.1	0.0060	-1.35
HCT%	1	33.7	33.3	67	74.4	0.1400	-1.61	0.4	0.3	0.0170	0.34
MCV-fl	1	85.1	84.9	170	180.4	0.3040	-1.05	0.2	0.2	0.0180	0.00
MCH-Pg	1	31.6	31.3	62.9	59	0.0530	2.63	0.3	0.2	0.0110	0.45
MCHC-g/dl	1	37.2	36.8	74	65.65	0.1270	1.92	0.4	0.3	0.0110	6.34
Plt. x10 <sup>3</sup> /µl	1	165	164	329	409	1.05	-2.37	1	6	0.30	-0.96
Retic %	2	7.5	7	14.5	7.15	0.16	1.51	0.5	0.3	0.02	0.56

### P.S . Assesment

YOUR REPORT		CONSENSUS REPORT
<b>DLC%</b>	3	Nrbcs=- , Poly=60% L=2%, E=4%, Mono/Promono=- , B1=2% P.M.=2%, Mye=18%, Meta=12%, Other=-
<b>RBC Morphology</b>	3	Predominantly: Normocytic Normochromic, Moderate: Anisocytosis, Mild: Microcytic
<b>Diagnosis</b>	3	CMPD ( Chronic Myeloproliferative Disorder ) Chronic Myeloid Leukemia (Chronic Phase) [ CML-CP ]

EQAP Code No.:  
1716

Distribution No.: 149-D Month/Year: November/2019 Instrument ID: Sysmec xs (67677)

**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 <sup>3</sup> /µl	1	450	372	88.17	90.59	4.3	3.49	6.99	4.57
RBC x10 <sup>6</sup> /µl	1	450	372	92.74	87.37	5.11	6.99	1.88	4.84
Hb g/dl	1	450	372	90.05	91.67	5.38	5.65	4.3	2.42
HCT%	1	450	372	95.7	88.98	2.96	4.84	1.08	5.38
MCV-fl	1	450	372	95.7	84.41	3.23	9.41	0.54	5.65
MCH-Pg	1	450	372	91.13	73.39	5.38	19.09	2.96	6.18
MCHC-g/dl	1	450	372	97.85	88.17	1.61	4.3	0	6.45
Plt. x10 <sup>3</sup> /µl	1	450	372	91.94	91.67	6.45	2.96	1.08	5.11
ReticCount%	2	450	324	94.14	80.86	4.32	12.96	2.16	8.02
PS Assessment	3	450	345	Acceptable:97%,Warning Signal:2.2%,Unacceptable :0.8%					

**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.

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**Note-3:** Z score 0 to  $\pm 2$  : Acceptable, Z score  $\pm 2$  to  $\pm 3$  :Warning Signal, Z score  $> \pm 3$  : Unacceptable [As per ISO/IEC 13528:2015 standard]

**Note-4:** Z score value between "0 to  $\pm 2$ " are texted in green colour. Z score value between " $\pm 2$  to  $\pm 3$ " 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).

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**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](http://www.ishtmaiimseqap.com).

Report authorized by,



Dr. R. Saxena

Prof &amp; Head, Hematology, AIIMS, Delhi.

PT Co-ordinator: ISHTM-AIIMS-EQAP

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

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## MY SUBMITTED REPORTS

EQAP Code	Distribution No	Distribution Section	Instrument Id	Month/Year	NO.1WBC	NO.1WBC	NO.1RBC	No.1F
1716	152	D	SYSMEX XS-800i(67677)	February/2021	3.02	3.00	4.71	4.7
1716	149	D	Sysmec xs (67677)	November/2019	3.47	3.37	3.96	3.9
1716	148	D	sysmax A3385	August/2019	11.0	10.6	6.37	6.3



**Re: M(EL)T Application - M(EL)T-00052**

pathlab.hspr &lt;pathlab.hspr@ivyhospital.com&gt;

Thu 2/18/2021 12:25 PM

To: NABL M(EL)T &lt;nablmelt@nabl.qcin.org&gt;

 2 attachments (7 MB)

IMG\_20210218\_114056.jpg; IMG20210218113306.jpg;

Dear sir,

Reference your mail i am to inform you that we received EQAS for Heameat after a gap of one year due to covid on 13/02/20201. we have analyzed the EQAS sample and uploaded the result to EQAS provider(AIIMS) on 15/02/2021(Copy attached). As soon as evaluation will be uploaded by EQAS provider, the same will be send to you.

POLO LABS ,

HOSHIARPUR

On 16-Feb-21 10:10 AM, NABL M(EL)T wrote:

Dear Sir,

This mail is to inform you that the mentioned equipment i.e. the glass thermometer is calibrated from 30 degrees centigrade onwards. It should be calibrated for lower values of temperature also because the Lab is using this thermometer for measuring the room temperature (environmental temperature). Please provide the calibration certificate after the changes as suggested.

Also, please provide the clarification mail for Haematology scope. As 2019 EQAS report has been attached in the application.

Sincerely,

Shubham Singh

0124 459 4828

M(EL)T | NABL

<http://nablmelt.qci.org.in/>[Laboratory: Login - QCI](#)

NABL has launched voluntary scheme namely "NABL Medical Entry Level Testing M(EL)T Labs Program" for sensitizing the medical testing laboratories performing basic testing to quality practices and access to quality health care for the majority of citizens especially those residing in villages, small towns.. This scheme is an independent quality assurance scheme, which is not covered under ...  
nablmelt.qci.org.in

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From Me Reply Reply All Forward Archive Delete More

Subject **Due to covid problem no EQAS sample or result received in 2020, a letter to this effect to be issued by your office for onward transmission to NABL.** 1:37 PM

To info@ishtmaiimseqap.com

Cc nablmelt@nabl.qcin.org

Thunderbird thinks this message is Junk mail. [Learn More](#) [Not Junk](#) X

Respected Sir,

Regards for the day.

We are enrolled for Hemat EQAS programme with you since last 4 yrs. However due to covid disturbance, we did not receive any sample for hematology from January 2020 till day.

Since we have applied for MELT accreditation to NABL. They want a letter from yourself indicating there was a disruption in sending samples and results due to corona problem. We have earlier send a letter for issue of mail from you in this matter but you have not sent the requisite letter to this effect. we again request you to kindly email the letter depicting the above said term so that NABL accreditation be considered on the basis of December 2019 EQAS result. An early reply will be highly appreciated.

Thanking you,

Yours truly,

Polo Labs ,

Hoshiarpur

Today Pane

Hoshiarpur\_CA600-1 : COM1,9600,8,1,None,Open 04:37 PM