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. : 3169 **Distribution No.:** 155-H **Month/Year:** March/2022

Instrument ID: SN 1740707210744

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: 11-05-2022[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	3.17	3.12	6.29	8.1	0.0550	**-1.99**	0.05	0.1	0.0090	**-0.42**
RBC x10^6/µl	1	3.33	3.31	6.64	6.8	0.0100	**-0.92**	0.02	0.04	0.0030	**-0.60**
Hb g/dl	1	11	11	22	24	0.0400	**-2.70**	0	0.1	0.0110	**-0.67**
HCT%	1	33.7	33.5	67.2	70.1	0.1840	**-0.81**	0.2	0.4	0.0340	**-0.54**
MCV-fl	1	101.3	101.2	202.5	207.3	0.4150	**-0.65**	0.1	0.4	0.0460	**-0.54**
MCH-Pg	1	33.2	33	66.2	70.1	0.1370	**-1.62**	0.2	0.3	0.0260	**-0.45**
MCHC-g/dl	1	32.8	32.6	65.4	68	0.2000	**-0.66**	0.2	0.3	0.0340	**-0.27**
Plt. x10^3/µl	1	141	134	275	294	1.69	**-0.57**	7	5	0.49	**0.39**
Retic %	2	5.5	5	10.5	12.5	0.43	**-0.23**	0.5	0.5	0.05	**0.00**

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=0 , Poly=53 L=5, E=1, Mono/Promono=2 , B1=7 P.M.=2, Mye=24, Meta=5, Other=	Poly: 38 – 52, Myelo: 14 - 25, Meta: 7 – 16, Blast: 2-8, Lympho: 2-6 , Promyelo: 1-5 nRBC/Eos/Baso/Mono: 0 – 5
RBC Morphology	3	NORMOCYTIC NORMOCHROMIC	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, hypochromia, Microcytosis; Mild: Macrocytosis, Poikilocytosis
Diagnosis	3	PBS Findings S/O Chronic Myeloproliferative Disorder CMPD (?CML), Advice- Bone Marrow Examination ,Philadelphia Chromosome	Chronic Myeloid Leukemia (Chronic Phase)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 155--H	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	151	151	84.11	91.39	1.32	1.32	14.57	7.29
RBC $x10^6$/µl	1	151	151	86.75	88.74	9.27	7.28	3.98	3.98
Hb g/dl	1	151	151	90.07	90.07	7.28	2.65	2.65	7.28
HCT%	1	151	151	93.38	90.73	5.96	5.96	0.66	3.31
MCV-fl	1	151	151	91.39	94.04	6.62	3.97	1.99	1.99
MCH-Pg	1	151	151	91.39	88.74	4.64	5.96	3.97	5.3
MCHC-g/dl	1	151	151	94.04	94.7	5.3	2.65	0.66	2.65
Plt. $x10^3$/µl	1	151	151	96.69	90.73	2.65	5.3	0.66	3.97
ReticCount%	2	151	119	90.76	92.44	5.88	11.76	3.36	-4.2
PS Assessment	3	151	121	Satisfactory :86.1%, Borderline Sat. :10.59%, Unsatisfactory :3.31%					

*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.

Note 10: Reports are kept confidential.

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

PC-1002

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

EQAP CODE No. : 3169 **Distribution No.:** 154-H **Month/Year:** December/2021

Instrument ID: 1740707210744

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: 10-03-2022[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	4.95	4.94	9.89	10.29	0.0390	**-0.63**	0.01	0.1	0.1330	**-0.81**
RBC x10^6/µl	1	4.69	4.59	9.28	10.06	0.0170	**-2.81**	0.1	0.04	0.0040	**2.02**
Hb g/dl	1	14	14	28	29.5	0.0450	**-2.13**	0	0.1	0.0120	**-1.35**
HCT%	1	47.3	46.4	93.7	91.9	0.2990	**0.36**	0.9	0.4	0.0410	**1.35**
MCV-fl	1	101.2	100.9	202.1	183.2	0.4500	**2.48**	0.3	0.3	0.0320	**0.00**
MCH-Pg	1	30.6	29.9	60.5	58.7	0.1110	**1.01**	0.7	0.2	0.0220	**2.25**
MCHC-g/dl	1	30.2	29.6	59.8	64.1	0.2060	**-1.07**	0.6	0.2	0.0260	**1.80**
Plt. x10^3/µl	1	251	246	497	482	2.74	**0.35**	5	7	0.63	**-0.32**
Retic %	2	7.5	7	14.5	13	0.28	**0.36**	0.5	0.5	0.05	**0.00**

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=5.00 , Poly=55.00 L=6.00, E=2.00, Mono/Promono=2.00 , B1=4.00 P.M.=6.00, Mye=20.00, Meta=4.00, Other=	Poly: 40 – 60, Myelo: 11 – 22, Meta: 6 – 14, Blast/nRBC: 1 – 15, Promyelo/Eos/Baso/Lympho/Mono: 0 – 5
RBC Morphology	3	Normocytic normochromic	Predominantly: Microcytosis, Anisocytosis; Moderate: Hypochromia, Poikilocytosis; Mild: Normocytic/Normochromic, Macrocytosis
Diagnosis	3	PBS FINDINGS S/O CHRONIC MYELOPROLIFERATIVE DISORDER CMPD ? CML Adv - Cytochemistry,Immunophenotyping,Clinical Correlation & Follow up	Chronic Myeloid Leukemia (CML)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 154--H	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	116	115	85.22	93.91	0.87	4.35	13.91	1.74
RBC $x10^6$/µl	1	116	116	90.52	88.79	5.17	6.03	4.31	5.18
Hb g/dl	1	116	116	92.24	91.38	4.31	4.31	3.45	4.31
HCT%	1	116	115	96.52	97.39	1.74	0.00	1.74	2.61
MCV-fl	1	116	115	92.17	84.35	5.22	6.09	2.61	9.56
MCH-Pg	1	116	115	92.17	92.17	6.09	4.35	1.74	3.48
MCHC-g/dl	1	116	115	98.26	91.3	0.87	5.22	0.87	3.48
Plt. $x10^3$/µl	1	116	115	86.96	93.91	9.57	5.22	3.47	0.87
ReticCount%	2	116	116	98.28	92.24	1.72	2.59	0.00	5.17
PS Assessment	3	116	91	Satisfactory :98.31%, Borderline Sat. :0.85%, Unsatisfactory :0.84%					

*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.

Note 10: Reports are kept confidential.

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

PC-1002

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

EQAP CODE No. : 3169 **Distribution No.:** 153-H **Month/Year:** September/2021

Instrument ID: 1740707210744

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: 28-10-2021[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	7.5	7.3	14.8	16	0.0960	**-0.78**	0.2	0.19	0.0210	**0.06**
RBC x10^6/µl	1	4.44	4.43	8.87	9	0.0150	**-0.67**	0.01	0.04	0.0480	**-0.67**
Hb g/dl	1	11.4	11.3	22.7	22.9	0.0390	**-0.34**	0.1	0.1	0.0130	**0.00**
HCT%	1	37.1	37	74.1	72.7	0.2750	**0.37**	0.1	0.4	0.0430	**-1.01**
MCV-fl	1	83.6	83.5	167.1	162.9	0.5310	**0.52**	0.1	0.2	0.0310	**-0.27**
MCH-Pg	1	25.7	25.5	51.2	50.8	0.1120	**0.22**	0.2	0.2	0.0280	**0.00**
MCHC-g/dl	1	30.8	30.5	61.3	62.5	0.2370	**-0.38**	0.3	0.3	0.0380	**0.00**
Plt. x10^3/µl	1	299	281	580	636	3.59	**-1.02**	18	8	0.82	**1.23**
Retic %	2	3	2.5	5.5	5.8	0.11	**-0.10**	0.5	0.4	0.02	**0.45**

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs= , Poly=10.00 L=85.00, E=2.00, Mono/Promono=3.00 , B1= P.M.=, Mye=, Meta=, Other=0.00	Lymp: 85-94, Poly: 4-12, blast: 1-8, nRBC/mono/Eosino/Myelo/Meta: 0-1
RBC Morphology	3	Predominantly normocytic normochromic few microcytes seen	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, Microcytosis, Hypochromia; Mild: Macrocytosis, Poikilocytosis
Diagnosis	3	PBS Dindings are S/O Chronic Lymphoproliferative Disorder CLPD (?CLL),Adv - Cytochemistry,Immunophenotyping,Bone marrow examination.clinical correlation and follow up	Chronic Lymphocytic Leukemia (CLL)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 153--H	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	98	97	80.41	91.75	6.19	4.12	13.4	4.13
RBC $x10^6$/µl	1	98	98	85.71	86.73	6.12	7.14	8.17	6.13
Hb g/dl	1	98	98	88.78	88.78	5.1	6.12	6.12	5.1
HCT%	1	98	97	89.69	90.72	8.25	3.09	2.06	6.19
MCV-fl	1	98	97	90.72	96.91	9.28	1.03	0	2.06
MCH-Pg	1	98	97	92.78	98.97	6.19		1.03	1.03
MCHC-g/dl	1	98	97	91.75	92.78	7.22	3.09	1.03	4.13
Plt. $x10^3$/µl	1	98	97	97.94	94.85	2.06	3.09	0	2.06
ReticCount%	2	98	75	97.33	80	0.00	16	2.67	4
PS Assessment	3	98	79	Satisfactory :87.67, Borderline Sat. :4.93, Unsatisfactory :7.40					

*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.

Note 10: Reports are kept confidential.

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

PC-1002

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

EQAP CODE No. : 3169 **Distribution No.:** 152-H **Month/Year:** March/2021

Instrument ID: 32626

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: 17-05-2021[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	5.2	5.2	10.4	10.5	0.0660	**-0.09**	0	0.1	0.0130	**-0.84**
RBC x10^6/µl	1	3.14	3.13	6.27	6.69	0.0120	**-2.83**	0.01	0.03	0.0040	**-0.67**
Hb g/dl	1	9.7	9.6	19.3	20.25	0.0350	**-2.14**	0.1	0.1	0.0120	**0.00**
HCT%	1	32.1	32	64.1	65.4	0.2100	**-0.37**	0.1	0.3	0.0350	**-0.67**
MCV-fl	1	102.2	102.2	204.4	196.4	0.4970	**1.04**	0	0.3	0.0420	**-0.67**
MCH-Pg	1	30.8	30.6	61.4	60.8	0.1170	**0.36**	0.2	0.2	0.0310	**0.00**
MCHC-g/dl	1	30.2	30	60.2	61.75	0.2170	**-0.53**	0.2	0.2	0.0350	**0.00**
Plt. x10^3/µl	1	145	143	288	291	2.10	**-0.09**	2	6	0.61	**-0.67**
Retic %	2	9	8.5	17.5	23	0.60	**-0.62**	0.5	1	0.10	**-0.45**

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=3.00 , Poly=53.00 L=2.00, E=3.00, Mono/Promono=1.00 , B1=7.00 P.M.=4.00, Mye=21.00, Meta=8.00, Other=0.00	Poly: 30 – 55, Myelo: 10 – 40, Meta: 5 – 15, Promyelo/Eos/Blast: 1 – 10, nRBC/Baso/Lympho/Mono: 0 – 5
RBC Morphology	3	Microcytes ++,Pencil cells +,tear drop cells +,Polychromatophils +,Hypochromia +++,Anisopoikilocytosis ++	Predominantly: Normocytic/Normochromic; Moderate: Microcytosis, Hypochromia, Anisocytosis; Mild: Macrocytosis, Poikilocytosis
Diagnosis	3	PBS Findings are S/O Chronic Myeloproliferative Disorder (CMPD),Adv - Philadelphia Chromosome Clinical correlation and follow up	Chronic Myeloid Leukemia (CML)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 152--H	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	94	94	90.43	82.98	4.26	5.32	5.31	11.7
RBC $x10^6$/µl	1	94	94	81.91	90.43	10.64	6.38	7.45	3.19
Hb g/dl	1	94	94	78.72	93.62	8.51	4.26	12.77	2.12
HCT%	1	94	94	91.49	90.43	7.45	5.32	1.06	4.25
MCV-fl	1	94	94	93.62	92.55	3.19	2.13	3.19	5.32
MCH-Pg	1	94	94	82.98	92.55	9.57	3.19	7.45	4.26
MCHC-g/dl	1	94	94	91.49	93.62	4.26	2.13	4.25	4.25
Plt. $x10^3$/µl	1	94	94	93.62	94.68	5.32	1.06	1.06	4.26
ReticCount%	2	94	85	96.47	94.12	2.35	1.18	1.18	4.7
PS Assessment	3	94	87	Satisfactory :94.5, Borderline Sat. :3.3, Unsatisfactory :2.2					

*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.

Note 10: Reports are kept confidential.

Report authorized by,

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