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. : 4527 **Distribution No.:** 158-L **Month/Year:** January/2023

Instrument ID: MINDREY BC5150(SR-7A002438)

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: 23-02-2023[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	4.74	4.73	9.47	9.2	0.0280	**0.40**	0.01	0.1	0.0060	**-0.81**
RBC x10^6/µl	1	4.31	4.19	8.5	9.42	0.0130	**-2.64**	0.12	0.05	0.0030	**1.57**
Hb g/dl	1	12.9	12.8	25.7	26.9	0.0280	**-1.80**	0.1	0.1	0.0080	**0.00**
HCT%	1	37.1	35.8	72.9	85	0.2400	**-1.55**	1.3	0.4	0.0240	**2.02**
MCV-fl	1	85.9	85.4	171.3	183.2	0.4090	**-0.89**	0.5	0.2	0.0180	**1.01**
MCH-Pg	1	30.5	29.9	60.4	57.2	0.0640	**1.88**	0.6	0.2	0.0160	**1.80**
MCHC-g/dl	1	35.8	34.8	70.6	62.8	0.1560	**1.37**	1	0.3	0.0210	**2.36**
Plt. x10^3/µl	1	217	212	429	452	1.51	**-0.53**	5	6	0.37	**-0.17**
Retic %	2	3.2	3	6.2	20.5	0.37	**-1.29**	0.2	0.7	0.05	**-0.64**

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=6 , Poly=32 L=11, E=08, Mono/Promono=00 , B1=10 P.M.=12, Mye=10, Meta=14, Other=	Poly: 28 – 51, Myelo: 12 - 22, Meta: 10– 20, Lympho: 3– 10, Eosino: 1-4, Promyelo: 2-8, nRBC/Blast/Baso/Mono: 0 – 5
RBC Morphology	3	Normocytic hypochromic rbcs with mild anisopoikilocytosis	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, hypochromia, Microcytosis; Mild: Macrocytosis, Poikilocytosis
Diagnosis	3	Myeloproliferative Disorder	Chronic Myeloid Leukemia (Chronic Phase)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 158--L	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	338	337	83.09	93.47	4.15	3.56	12.76	2.97
RBC $x10^6$/µl	1	338	338	88.17	88.76	6.51	4.44	5.32	6.8
Hb g/dl	1	338	338	86.98	84.32	5.62	6.21	7.4	9.47
HCT%	1	338	336	97.62	90.77	1.79	3.57	0.59	5.66
MCV-fl	1	338	337	99.11	85.76	0.89	3.86	0	10.38
MCH-Pg	1	338	337	91.69	89.91	4.45	5.34	3.86	4.75
MCHC-g/dl	1	338	337	98.52	88.43	0.89	5.64	0.59	5.93
Plt. $x10^3$/µl	1	338	337	95.55	88.72	3.56	5.93	0.89	5.35
ReticCount%	2	338	217	97.7	92.17	1.84	3.23	0.46	4.60
PS Assessment	3	338	212	Satisfactory :93.14%, Borderline Sat. :3.43%, Unsatisfactory :3.43%					

*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. : 4527 **Distribution No.:** 157-L **Month/Year:** October/2022

Instrument ID: MINDREY BC5150(SR-7A002438)

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: 17-11-2022[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	6.58	6.56	13.14	12.5	0.0700	**0.40**	0.02	0.11	0.0090	**-0.67**
RBC x10^6/µl	1	4.27	4.22	8.49	8.41	0.0130	**0.24**	0.05	0.04	0.0030	**0.17**
Hb g/dl	1	11.7	11.7	23.4	23.6	0.0280	**-0.30**	0	0.1	0.0090	**-0.67**
HCT%	1	35.8	35.1	70.9	74	0.1930	**-0.61**	0.7	0.4	0.0280	**0.67**
MCV-fl	1	83.9	83.3	167.2	177.4	0.3730	**-0.98**	0.6	0.3	0.0230	**0.81**
MCH-Pg	1	27.7	27.4	55.1	56.4	0.0820	**-0.65**	0.3	0.2	0.0220	**0.34**
MCHC-g/dl	1	33.2	32.6	65.8	63.7	0.1580	**0.50**	0.6	0.3	0.0220	**1.01**
Plt. x10^3/µl	1	274	274	548	593	3.16	**-0.48**	0	11	0.73	**-0.93**
Retic %	2	1.7	1.6	3.3	7.18	0.17	**-0.81**	0.1	0.4	0.03	**-0.45**

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT
DLC%	3	Nrbcs=04 , Poly=02 L=80, E=00, Mono/Promono=01 , B1=10 P.M.=00, Mye=00, Meta=00, Other=06	Blast: 44-90, Lympho: 4-21, Poly: 1-6, nRBC/Eos/Baso/Mono /Myelo/Meta/ Promyelo: 0-5
RBC Morphology	3	Microcytosis ++, hypochromasia ++, anisocytosis +,Poikilocytosis +	Predominantly: Normocytic/ Normochromic, Moderate: Anisocytosis, Microcytic
Diagnosis	3	(Chronic Lymphoproliferative disorder)CLL	Acute Leukemia (AL)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 157--L	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	312	300	77.33	90	6.33	2.33	16.34	7.67
RBC $x10^6$/µl	1	312	312	88.14	83.65	3.85	5.45	8.01	10.9
Hb g/dl	1	312	312	84.29	82.69	5.45	5.77	10.26	11.54
HCT%	1	312	301	90.03	87.04	6.31	5.65	3.66	7.31
MCV-fl	1	312	301	93.02	89.37	4.65	6.64	2.33	3.99
MCH-Pg	1	312	301	87.71	90.03	7.97	2.66	4.32	7.31
MCHC-g/dl	1	312	301	92.36	91.03	5.98	2.99	1.66	5.98
Plt. $x10^3$/µl	1	312	297	93.27	92.26	4.38	3.7	2.35	4.04
ReticCount%	2	312	206	88.83	89.81	5.83	7.28	5.34	2.91
PS Assessment	3	312	199	Satisfactory :90.04%, Borderline Sat. :3.21%, Unsatisfactory :6.75%					

*Comments:

1). Among Lab (EQA) : PS Diagnosis wrongly reported, remaining 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. : 4527 **Distribution No.:** 156-L **Month/Year:** July/2022

Instrument ID: MINDRAY BC 5150 (SR-7A002438

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: 27-09-2022[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	5.37	5.36	10.73	12.18	0.0990	**-0.49**	0.01	0.15	0.0120	**-0.86**
RBC x10^6/µl	1	4.27	4.14	8.41	8.69	0.0140	**-0.71**	0.13	0.05	0.0040	**1.20**
Hb g/dl	1	12.3	12.2	24.5	24.8	0.0290	**-0.37**	0.1	0.1	0.0100	**0.00**
HCT%	1	36.5	35.6	72.1	79.6	0.2150	**-1.30**	0.9	0.4	0.0290	**0.84**
MCV-fl	1	86	85.6	171.6	183.3	0.3570	**-1.16**	0.4	0.4	0.0270	**0.00**
MCH-Pg	1	29.4	28.7	58.1	57.3	0.0800	**0.41**	0.7	0.3	0.0200	**1.35**
MCHC-g/dl	1	34.2	33.6	67.8	62.4	0.1610	**1.25**	0.6	0.3	0.0230	**0.81**
Plt. x10^3/µl	1	166	160	326	348	1.70	**-0.49**	6	7	0.47	**-0.11**
Retic %	2	1.5	1.4	2.9	3.63	0.09	**-0.29**	0.1	0.2	0.02	**-0.34**

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=6 , Poly=54 L=01, E=00, Mono/Promono=00 , B1=06 P.M.=16, Mye=08, Meta=13, Other=	Poly: 32 – 50, Myelo: 14 - 28, Meta: 10 – 18, Promyelo: 2-8, Lympho: 2-7, nRBC/ /Blast/Eos/Baso/Mono: 0 – 5
RBC Morphology	3	Mild microcytic hypochromic Rbcs,macrocyte(+),irregular contracted cells (++),tear drop cells (+),Poikilocytosis seen.	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, hypochromia, Microcytosis; Mild: Macrocytosis, Poikilocytosis
Diagnosis	3	Chronic Myeloproliferative Disorder(Chronic myeloid leukemia in chronic phase)	Chronic Myeloid Leukemia (Chronic Phase)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 156--L	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	318	306	92.16	82.35	5.56	5.88	2.28	11.77
RBC $x10^6$/µl	1	318	318	87.11	83.65	5.35	4.4	7.54	11.95
Hb g/dl	1	318	318	87.74	84.91	3.14	5.35	9.12	9.74
HCT%	1	318	307	92.18	89.25	4.56	5.21	3.26	5.54
MCV-fl	1	318	307	91.21	91.86	5.54	3.58	3.25	4.56
MCH-Pg	1	318	307	89.25	85.67	4.89	3.58	5.86	10.75
MCHC-g/dl	1	318	307	90.88	86.97	5.86	5.21	3.26	7.82
Plt. $x10^3$/µl	1	318	307	91.86	92.18	5.86	2.61	2.28	5.21
ReticCount%	2	318	218	91.28	83.94	3.67	13.3	5.05	2.76
PS Assessment	3	318	216	Satisfactory :93.4%, Borderline Sat. :2.83%, Unsatisfactory :3.77%					

*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. : 4527 **Distribution No.:** 155-L **Month/Year:** April/2022

Instrument ID: MINDREY BC5150(SR-7A002438)

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: 04-07-2022[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	12.52	12.38	24.9	24.12	0.1270	**0.24**	0.14	0.2	0.0130	**-0.26**
RBC x10^6/µl	1	5.88	5.83	11.71	12.05	0.0170	**-0.74**	0.05	0.06	0.0040	**-0.17**
Hb g/dl	1	13.8	13.8	27.6	28.5	0.0290	**-1.10**	0	0.1	0.0080	**-1.35**
HCT%	1	43.5	43.2	86.7	95.8	0.2590	**-1.20**	0.3	0.5	0.0360	**-0.34**
MCV-fl	1	74.1	74	148.1	159.6	0.3180	**-1.28**	0.1	0.3	0.0210	**-0.54**
MCH-Pg	1	23.7	23.5	47.2	47.1	0.0570	**0.06**	0.2	0.2	0.0120	**0.00**
MCHC-g/dl	1	32.1	31.7	63.8	58.9	0.1470	**1.18**	0.4	0.25	0.0170	**0.51**
Plt. x10^3/µl	1	203	200	403	399	2.71	**0.05**	3	9	0.55	**-0.62**
Retic %	2	1.2	1.1	2.3	17.05	0.44	**-1.07**	0.1	0.7	0.05	**-0.48**

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=5 , Poly=53 L=2, E=0, Mono/Promono=1 , B1=4 P.M.=6, Mye=20, Meta=9, Other=	Poly: 50 – 66, Myelo: 9 - 18, Meta: 6 – 13, Lympho: 3-7, nRBC/Promyelo/Blast/Eos/Baso/Mono: 0 – 5
RBC Morphology	3	Normocytic normochromic to mild microcytic with irregular contracture cell (++) and few tear drop cell seen.	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, hypochromia, Microcytosis; Mild: Macrocytosis, Poikilocytosis
Diagnosis	3	Chronic myeloid leukemia(CML) in chronic stage.	Chronic Myeloid Leukemia (Chronic Phase)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 155--L	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	347	334	87.43	89.22	5.69	4.19	6.88	6.59
RBC $x10^6$/µl	1	347	347	83.29	86.46	7.49	2.02	9.22	11.52
Hb g/dl	1	347	347	87.32	84.73	4.9	6.05	7.78	9.22
HCT%	1	347	333	90.39	88.89	6.61	5.11	3	6
MCV-fl	1	347	333	90.09	86.19	5.41	3.9	4.5	9.91
MCH-Pg	1	347	333	87.99	93.69	7.51	3	4.5	3.31
MCHC-g/dl	1	347	333	91.59	86.79	4.8	4.5	3.61	8.71
Plt. $x10^3$/µl	1	347	333	96.7	86.19	1.8	8.71	1.5	5.1
ReticCount%	2	347	222	91.44	93.24	5.41	2.7	3.15	4.06
PS Assessment	3	347	230	Satisfactory :96.26%, Borderline Sat. :2.88%, Unsatisfactory :0.86%					

*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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