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. : 1702   **Distribution No.: 161-D**   **Month/Year:** September/2023
Instrument ID: MEK 6510 K (SNO. 04225)
Name & Contact No. of PT Co-ordinator: Dr. Manoranjan Mahapatra (Prof. & Head), Hematology, AIIMS, Delhi,
Tel: 9013085730 , E-Mail : accuracy2000@gmail.com
Date of issue & status of the report: 23-10-2023[Final].

CBC and Retic Assessment

Test Parameters	S.No.	Your Result 1	Your Result 2	Among Lab (Accuracy Testing)				Within Lab (Precision Testing)			
				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 x10³/µl	1	3.9	3.9	7.8	7.61	0.024	0.29	0	0.09	0.005	-1.21
RBC x10⁶/µl	1	4.23	4.01	8.24	8.51	0.008	-1.30	0.22	0.03	0.002	5.13
Hb g/dl	1	14.2	13.4	27.6	27.9	0.026	-0.45	0.8	0.1	0.007	9.44
HCT%	1	42.7	40.3	83	83.8	0.138	-0.21	2.4	0.3	0.022	5.67
MCV-fl	1	101	101	202	197.2	0.252	0.69	0	0.3	0.020	-1.01
MCH-Pg	1	33.6	33.4	67	65.35	0.068	0.92	0.2	0.2	0.014	0.00
MCHC-g/dl	1	33.3	33.3	66.6	66.2	0.120	0.11	0	0.3	0.016	-1.01
Plt. x10³/µl	1	132	126	258	311	0.930	-2.04	6	4	0.252	0.45
Retic %	2	4.2	4	8.2	5.08	0.122	0.81	0.2	0.2	0.012	0.00

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=0 , Poly=56 L=3, E=0, Mono/Promono=0 , B1=6 P.M.=12, Mye=12, Meta=10, Other=	Poly: 48 – 62, Myelo: 10 - 20, Meta: 7– 15, Promyelo: 2-7, Blast: 2-5, Lympho: 2– 5, Eosino: 1-2, nRBC/Mono, Baso: 0-5
RBC Morphology	3	Normocytic normochromic with few microcytic hypochromic with mild anisocytosis	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, Hypochromic, Mild: Poikilocytosis
Diagnosis	3	CML (Chronic Myeloid Leukemia)	Chronic Myeloid Leukemia (Chronic Phase)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 161--D	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 x10³/µl	1	343	340	85.88	93.53	4.12	3.53	10	2.94
RBC x10⁶/µl	1	343	343	89.21	84.84	6.41	7.87	4.38	7.29
Hb g/dl	1	343	343	86.01	89.5	7	4.08	6.99	6.42
HCT%	1	343	341	94.13	84.75	3.23	8.21	2.64	7.04
MCV-fl	1	343	340	90.88	91.18	6.76	2.65	2.36	6.17
MCH-Pg	1	343	341	87.39	94.43	7.04	1.76	5.57	3.81
MCHC-g/dl	1	343	341	93.55	91.5	3.81	2.05	2.64	6.45
Plt. x10³/µl	1	343	341	91.79	92.08	5.28	3.81	2.93	4.11
ReticCount%	2	343	300	90.67	87	7	2.33	2.33	10.67
PS Assessment	3	343	320	Satisfactory :94.18%, Borderline Sat. :3.20%, Unsatisfactory :2.62%					

`Comments:

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

2). Within Lab (IQA) : Difference in the CBC measurement values for *RBC, HB & HCT* unacceptable, please check precision/human error.Remaining 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 (x̄-ȳ) 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. Manoranjan Mahapatra (Prof. & Head)
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. : 1702 **Distribution No.: 160-D** **Month/Year:** May/2023

Instrument ID: MEK 6510K

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

Date of issue & status of the report: 22-07-2023[Final].

CBC and Retic Assessment

Test Parameters	S.No.	Your Result 1	Your Result 2	Among Lab (Accuracy Testing)				Within Lab (Precision Testing)			
				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 x10³/µl	1	8.7	8.3	17	15.39	0.095	0.57	0.4	0.12	0.010	1.72
RBC x10⁶/µl	1	4.61	4.56	9.17	9.51	0.009	-1.43	0.05	0.04	0.002	0.27
Hb g/dl	1	13.2	13.2	26.4	26.6	0.026	-0.30	0	0.1	0.007	-1.35
HCT%	1	41.1	40.7	81.8	84.6	0.174	-0.60	0.4	0.3	0.022	0.27
MCV-fl	1	89.3	89.2	178.5	177.65	0.314	0.09	0.1	0.3	0.020	-0.54
MCH-Pg	1	28.9	28.6	57.5	55.8	0.056	1.09	0.3	0.2	0.013	0.45
MCHC-g/dl	1	32.4	32.1	64.5	62.7	0.132	0.51	0.3	0.2	0.015	0.45
Plt. x10³/µl	1	220	213	433	490	1.995	-1.02	7	7	0.418	0.00
Retic %	2	8.5	8.2	16.7	9.5	0.197	1.15	0.3	0.3	0.021	0.00

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=0 , Poly=9 L=70, E=0, Mono/Promono=1 , B1=15 P.M.=05, Mye=0, Meta=0, Other=0	Lympho: 23-50, Blast: 0-41, Promyelo: 0-34, Poly: 4-16, Mono: 1-6, nRBC/Eos/Baso/Myelo/Meta: 0-5
RBC Morphology	3	Mild to Mod.Microcytic Hypochromic RBC with few Macrocytic RBC's with mild to mod. anisocyosis and mild poikilocytosis with few target cells seen.	Predominantly: Normocytic/ Normochromic, Anisocytosis, schistocyte, Occasional cells.
Diagnosis	3	Acute Leukemia	Acute Promyelocytic Leukemia(APML)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 160--D	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 x10³/µl	1	350	348	85.92	88.22	4.02	4.02	10.06	7.76
RBC x10⁶/µl	1	350	350	90.86	88.86	5.43	3.43	3.71	7.71
Hb g/dl	1	350	350	89.14	90.86	5.14	3.43	5.72	5.71
HCT%	1	350	348	89.66	88.79	4.6	5.46	5.74	5.75
MCV-fl	1	350	348	91.38	88.22	3.45	7.76	5.17	4.02
MCH-Pg	1	350	348	91.95	92.53	4.89	2.87	3.16	4.6
MCHC-g/dl	1	350	348	89.08	91.67	7.18	2.87	3.74	5.46
Plt. x10³/µl	1	350	348	88.79	90.8	6.61	5.75	4.6	3.45
ReticCount%	2	350	320	95	81.25	2.81	14.38	2.19	4.37
PS Assessment	3	350	316	Satisfactory :70.42%, Borderline Sat. :26.14%, Unsatisfactory :3.44%					

*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. Manoranjan Mahapatra (Prof. & Head)
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. : 1702

Instrument ID: Nihon Kohden MEK 6510 K (04225) **Distribution No.:** 158-D **Month/Year:** November/2022

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: 11-01-2023[Final].

CBC and Retic Assessment

Test Parameters	S.No.	Your Result 1	Your Result 2	Among Lab (Accuracy Testing)					Within Lab (Precision Testing)			
				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 x10³/µl	1	6.7	6.5	13.2	13.68	0.028	-0.70		0.2	0.1	0.007	0.84
RBC x10⁶/µl	1	5.24	5.12	10.36	10.47	0.009	-0.44		0.12	0.03	0.002	2.02
Hb g/dl	1	14.8	14.2	29	29.1	0.021	-0.17		0.6	0.1	0.007	6.74
HCT%	1	45.5	44.5	90	90.45	0.159	-0.10		1	0.3	0.022	1.57
MCV-fl	1	86.9	86.8	173.7	173.1	0.252	0.08		0.1	0.3	0.021	-0.67
MCH-Pg	1	28.2	27.7	55.9	55.4	0.044	0.44		0.5	0.2	0.014	1.35
MCHC-g/dl	1	32.5	31.9	64.4	64.1	0.107	0.09		0.6	0.3	0.018	1.01
Plt. x10³/µl	1	136	136	272	281	1.187	-0.28		0	5	0.295	-0.96
Retic %	2	16.7	16.5	33.2	36.5	0.717	-0.15		0.2	1	0.061	-0.67

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=0 , Poly=32 L=65, E=02, Mono/Promono=1 , B1=0 P.M.=0, Mye=0, Meta=0, Other=	Lympho: 64-73, Poly: 23-31, nRBC/mono/Eosino/Myelo/Meta/blast: 0-5
RBC Morphology	3	Normocytic Normochromic with mild anisocytosis and poikilocytosis.	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, Microcytosis, Hypochromia; Mild: Macrocytosis, Poikilocytosis ,Few smudge cells seen.
Diagnosis	3	Lymphocytic Leucocytosis.	Chronic lymphoproliferative disorder

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 158--D	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 x10³/µl	1	327	325	84.62	91.08	4.62	4.62	10.76	4.3
RBC x10⁶/µl	1	327	327	88.99	90.52	5.81	3.98	5.2	5.5
Hb g/dl	1	327	327	87.16	89.91	5.81	5.81	7.03	4.28
HCT%	1	327	325	93.85	88.31	2.46	6.15	3.69	5.54
MCV-fl	1	327	325	94.15	89.54	3.69	6.15	2.16	4.31
MCH-Pg	1	327	325	91.38	89.85	3.69	5.54	4.93	4.61
MCHC-g/dl	1	327	325	96.92	91.08	1.23	4	1.85	4.92
Plt. x10³/µl	1	327	325	90.15	90.77	7.38	6.15	2.47	3.08
ReticCount%	2	327	298	97.32	88.26	2.01	4.36	0.67	7.38
PS Assessment	3	327	291	Satisfactory :87.42%, Borderline Sat. :11.04%, Unsatisfactory :1.53%					

'Comments:

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

2). Within Lab (IQA) : Difference in the CBC measurement values for HB 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 > ±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 (x̄-ȳ) 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----------

PC-1002

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. : 1702   **Distribution No.: 157-D**   **Month/Year:** August/2022

Instrument ID: MEK 6510K (04225)

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: 15-10-2022[Final].

CBC and Retic Assessment

Test Parameters	S.No.	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 x10³/µl	1	3.1	3	6.1	6.13	0.017	-0.07	0.1	0.07	0.005	0.45
RBC x10⁶/µl	1	4.53	4.4	8.93	9.36	0.008	-2.00	0.13	0.04	0.002	2.43
Hb g/dl	1	10.9	10.8	21.7	22.6	0.020	-1.73	0.1	0.1	0.007	0.00
HCT%	1	37.8	36.6	74.4	78.1	0.112	-1.22	1.2	0.3	0.021	2.82
MCV-fl	1	83.4	83.2	166.6	166.6	0.210	0.00	0.2	0.3	0.020	-0.27
MCH-Pg	1	24.5	24.1	48.6	48.2	0.045	0.34	0.4	0.2	0.011	1.35
MCHC-g/dl	1	29.5	28.8	58.3	57.75	0.094	0.21	0.7	0.3	0.016	1.35
Plt. x10³/µl	1	97	96	193	231	0.954	-1.48	1	5	0.283	-0.77
Retic %	2	3.5	3.2	6.7	4	0.138	0.47	0.3	0.2	0.011	0.34

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=00 , Poly=26 L=1, E=0, Mono/Promono=1 , B1=17 P.M.=35, Mye=7, Meta=13, Other=	Blast: 43-80, Poly: 4-12, Lympho: 4-10, Promyelo: 0-12.25, Myelo: 1-6.5, nRBC/Mono/Meta/Eos: 0-5
RBC Morphology	3	Normocytic Normocromic with Mild Microcytic , Hypochromic and mild anisocytosis and mild poikilocytosis.	Predominantly: Normocytic/Normochromic; Moderate: Microcytosis, Hypochromia; Mild: Anisocytosis, Macrocytosis
Diagnosis	3	CML (Chronic Myeloid Leukemia)	Acute Myeloid Leukemia (AML)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 157--D	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 x10³/µl	1	353	348	82.76	92.24	3.74	3.45	13.5	4.31
RBC x10⁶/µl	1	353	353	87.82	88.39	6.23	5.1	5.95	6.51
Hb g/dl	1	353	353	85.27	90.65	5.95	3.97	8.78	5.38
HCT%	1	353	348	89.08	91.09	6.32	4.6	4.6	4.31
MCV-fl	1	353	348	91.09	93.39	5.75	2.59	3.16	4.02
MCH-Pg	1	353	348	85.63	93.97	8.33	2.3	6.04	3.73
MCHC-g/dl	1	353	348	89.66	91.38	5.46	2.87	4.88	5.75
Plt. x10³/µl	1	353	348	88.51	88.79	6.03	6.9	5.46	4.31
ReticCount%	2	353	231	89.18	95.24	9.09	9.96	1.73	-5.20
PS Assessment	3	353	337	Satisfactory :94.64%, Borderline Sat. :3.95%, Unsatisfactory :1.41%					

`Comments:

1). Among Lab (EQA) : PS Diagnosis wrongly reported, remaining results acceptable

2). Within Lab (IQA) : Difference in the CBC measurement values for HCT 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 > ±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
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