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. : 3430 **Distribution No.:** 162-I **Month/Year:** January/2024

Instrument ID: BENESPHERA AVANTOR **Model Name.:** H33s **Serial No.:** TH-87005308

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: 20-03-2024[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	5.3	5	10.3	9.5	0.047	**1.08**	0.3	0.1	0.009	**2.08**
RBC x10^6/µl	1	3.78	3.76	7.54	7.66	0.014	**-0.54**	0.02	0.03	0.004	**-0.27**
Hb g/dl	1	12.8	12.8	25.6	25.5	0.039	**0.17**	0	0.1	0.012	**-0.67**
HCT%	1	38.1	37.7	75.8	80.7	0.289	**-0.82**	0.4	0.4	0.038	**0.00**
MCV-fl	1	100.9	100.4	201.3	209.6	0.687	**-0.64**	0.5	0.3	0.034	**0.54**
MCH-Pg	1	34	33.8	67.8	66.2	0.110	**0.83**	0.2	0.3	0.024	**-0.45**
MCHC-g/dl	1	33.8	33.5	67.3	63.2	0.233	**0.89**	0.3	0.3	0.028	**0.00**
Plt. x10^3/µl	1	143	132	275	381.5	2.344	**-2.71**	11	5	0.500	**1.01**
Retic %	2	11	10.8	21.8	18.2	0.462	**0.46**	0.2	0.5	0.054	**-0.51**

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT
DLC%	3	Nrbcs=0 , Poly=10 L=89, E=0, Mono/Promono=1 , B1=0 P.M.=, Mye=, Meta=, Other=occasional smudge cells	Lymp: 84-92, Poly: 6.5-11, nRBC/Blast/Myelo/Meta/Mono/Eosino: 0-5
RBC Morphology	3	normocytic normochromic	Predominantly: Normocytic/Normochromic with Mild Anisocytosis, Smudge Cells.
Diagnosis	3	CHRONIC LYMPHOCYTIC LEUKEMIA	Chronic Lymphoproliferative Disorder/CLL

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 162--I	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	138	138	82.61	87.68	3.62	8.7	13.77	3.62
RBC $x10^6$/µl	1	138	138	87.68	89.13	7.25	4.35	5.07	6.52
Hb g/dl	1	138	138	85.51	85.51	9.42	7.25	5.07	7.24
HCT%	1	138	137	93.43	87.59	4.38	7.3	2.19	5.11
MCV-fl	1	138	137	95.62	94.16	3.65	2.19	0.73	3.65
MCH-Pg	1	138	137	88.32	93.43	4.38	2.92	7.3	3.65
MCHC-g/dl	1	138	137	92.7	93.43	6.57	4.38	0.73	2.19
Plt. $x10^3$/µl	1	138	138	89.86	91.3	7.25	5.07	2.89	3.63
ReticCount%	2	138	125	92.8	88.8	4	8.8	3.2	2.40
PS Assessment	3	138	126	Satisfactory :91.99%, Borderline Sat. :2.91%, Unsatisfactory :5.10%					

*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. : 3430 **Distribution No.:** 161-I **Month/Year:** August/2023

Instrument ID: MINDRAY **Model Name.:** **Serial No.:**

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: 10-01-2024[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	8.3	8.1	16.4	10.2	0.047	**8.12**	0.2	0.1	0.010	**0.90**
RBC x10^6/µl	1	3.99	3.88	7.87	8.02	0.012	**-0.70**	0.11	0.04	0.003	**1.89**
Hb g/dl	1	12.8	12.5	25.3	25	0.032	**0.51**	0.3	0.1	0.011	**2.70**
HCT%	1	38.7	37.6	76.3	78	0.272	**-0.33**	1.1	0.4	0.036	**1.89**
MCV-fl	1	97	96.9	193.9	195.6	0.595	**-0.14**	0.1	0.2	0.027	**-0.34**
MCH-Pg	1	32.3	32.2	64.5	62.5	0.100	**1.12**	0.1	0.2	0.023	**-0.45**
MCHC-g/dl	1	33.3	33.2	66.5	63.7	0.223	**0.65**	0.1	0.2	0.026	**-0.39**
Plt. x10^3/µl	1	127	125	252	407	2.242	**-3.87**	2	4	0.411	**-0.39**
Retic %	2	10	8	18	16	0.345	**0.30**	2	0.5	0.048	**2.45**

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=0 , Poly=5 L=90, E=2, Mono/Promono=3 , B1=0 P.M.=0, Mye=0, Meta=0, Other=SMUDGE CELLS	Lymp: 83-94, Poly: 3-8, nRBC/blast/mono/Myelo/Meta/Eosino: 0-5
RBC Morphology	3	ANISOPOIKILOCYTOSIS WITH NARMOCYTIC HYPOCHROMIC CELLS AND MACROOVALOCYTES	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, Microcytic, Hypochromia; Mild: Poikilocytosis, Tear Drop Cells.
Diagnosis	3	CHRONIC LYMPHOCYTIC LEUKEMIA (CLL)	Chronic Lymphoproliferative Disorder

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 161--I	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	144	143	85.31	90.21	2.1	3.5	12.59	6.29
RBC x10^6/µl	1	144	144	90.97	90.28	5.56	5.56	3.47	4.16
Hb g/dl	1	144	144	86.81	89.58	5.56	4.86	7.63	5.56
HCT%	1	144	143	95.8	90.91	2.8	3.5	1.4	5.59
MCV-fl	1	144	143	97.2	89.51	2.1	4.2	0.7	6.29
MCH-Pg	1	144	143	88.11	72.73	8.39	19.58	3.5	7.69
MCHC-g/dl	1	144	143	94.41	93.01	4.9	1.4	0.69	5.59
Plt. x10^3/µl	1	144	142	89.44	90.85	6.34	4.93	4.22	4.22
ReticCount%	2	144	132	93.18	93.94	3.79	4.55	3.03	1.51
PS Assessment	3	144	130	Satisfactory :89.59%, Borderline Sat. :2.08%, Unsatisfactory :8.33%					

***Comments:**

1). Among Lab (EQA) : CBC result for *WBC & PLT* unacceptable, please check calibration/human error.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. 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. : 3430 **Distribution No.:** 160-I **Month/Year:** June/2023

Instrument ID: TH87005308 **Model Name.:** **Serial No.:**

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: 08-08-2023[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	4.7	4.7	9.4	12	0.089	**-1.38**	0	0.1	0.013	**-0.90**
RBC x10^6/µl	1	4.87	4.7	9.57	9.61	0.014	**-0.17**	0.17	0.04	0.004	**2.92**
Hb g/dl	1	15.6	15.3	30.9	30.3	0.054	**0.65**	0.3	0.1	0.011	**2.70**
HCT%	1	52.4	50.9	103.3	92.3	0.320	**1.76**	1.5	0.4	0.041	**2.47**
MCV-fl	1	108	107.7	215.7	193	0.544	**2.13**	0.3	0.3	0.031	**0.00**
MCH-Pg	1	32.4	32	64.4	63	0.106	**0.71**	0.4	0.3	0.023	**0.45**
MCHC-g/dl	1	30	29.7	59.7	64.6	0.229	**-1.09**	0.3	0.3	0.028	**0.00**
Plt. x10^3/µl	1	167	161	328	305	2.716	**0.51**	6	5	0.459	**0.18**
Retic %	2	4	2	6	5.4	0.169	**0.19**	2	0.3	0.032	**4.59**

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=3 , Poly=7 L=4, E=0, Mono/Promono=0 , B1=48 P.M.=28, Mye=4, Meta=7, Other=Thrombocytopenia	Blast: 38-63, Poly: 9-17, Lympho: 8-20, Myelo: 2-9, Mono: 1-5, nRBC/Promyelo/Meta/Eos: 0-5
RBC Morphology	3	Normocytic Normochromic	Predominantly: Normocytic/Normochromic; Moderate: Microcytosis, Hypochromia; Mild: Anisocytosis
Diagnosis	3	Acute Myeloid Leukemia	Acute Myeloid Leukemia (AML)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 160--I	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	145	143	86.71	86.71	4.2	4.9	9.09	8.39
RBC $x10^6$/µl	1	145	145	84.14	88.97	7.59	2.07	8.27	8.96
Hb g/dl	1	145	145	85.52	86.9	6.21	6.9	8.27	6.2
HCT%	1	145	143	93.01	90.21	4.9	5.59	2.09	4.2
MCV-fl	1	145	143	93.71	88.11	4.2	7.69	2.09	4.2
MCH-Pg	1	145	143	87.41	93.01	5.59	2.8	7	4.19
MCHC-g/dl	1	145	143	93.71	90.21	4.2	2.8	2.09	6.99
Plt. $x10^3$/µl	1	145	143	90.21	93.01	8.39	1.4	1.4	5.59
ReticCount%	2	145	134	92.54	95.52	5.97	0.00	1.49	4.48
PS Assessment	3	145	129	Satisfactory :91.05%, Borderline Sat. :2.06%, Unsatisfactory :6.89%					

*Comments:

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

2). Within Lab (IQA) : *RETIC* result is 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. 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. : 3430 **Distribution No.:** 159-I **Month/Year:** March/2023

Instrument ID: TH87005308 **Model Name.:** **Serial No.:**

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: 12-05-2023[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	2.8	2.7	5.5	6.4	0.076	**-0.69**	0.1	0.1	0.009	**0.00**
RBC x10^6/µl	1	3.73	3.7	7.43	7.6	0.012	**-0.85**	0.03	0.03	0.003	**0.00**
Hb g/dl	1	11.9	11.6	23.5	23.3	0.030	**0.39**	0.3	0.1	0.011	**2.70**
HCT%	1	34.9	34.6	69.5	72	0.202	**-0.57**	0.3	0.3	0.033	**0.00**
MCV-fl	1	93.6	93.4	187	189	0.481	**-0.21**	0.2	0.3	0.031	**-0.27**
MCH-Pg	1	32	31.2	63.2	61.6	0.097	**1.03**	0.8	0.3	0.026	**1.69**
MCHC-g/dl	1	34.3	33.3	67.6	65.5	0.184	**0.56**	1	0.3	0.028	**1.89**
Plt. x10^3/µl	1	163	157	320	371	1.993	**-1.40**	6	6	0.505	**0.00**
Retic %	2	10	8	18	18	0.553	**0.00**	2	0.6	0.063	**2.36**

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=3 , Poly=46 L=5, E=1, Mono/Promono=0 , B1=2 P.M.=18, Mye=16, Meta=9, Other=Platelets: mild thrombocytopenia	Poly: 45 – 60, Myelo: 13 - 25, Meta: 7– 15, Lympho: 2– 6, Eosino: 1-2, Promyelo: 1-6, Blast: 1-4, Mono: 1 – 2, nRBC/Baso: 0-5
RBC Morphology	3	Normocytic Normochromic, occasional stomatocytes and nRBCs seen.	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, hypochromia, Microcytosis; Mild: Macrocytosis, Poikilocytosis
Diagnosis	3	Atypical CML in chronic phase with absence of basophilia	Chronic Myeloid Leukemia (Chronic Phase)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 159--I	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 $x10^3/\mu l$	1	146	145	84.14	88.28	5.52	5.52	10.34	6.2
RBC $x10^6/\mu l$	1	146	146	84.93	91.1	9.59	4.79	5.48	4.11
Hb g/dl	1	146	146	88.36	86.3	5.48	6.16	6.16	7.54
HCT%	1	146	145	97.24	91.72	2.07	4.83	0.69	3.45
MCV-fl	1	146	145	95.17	85.52	4.14	7.59	0.69	6.89
MCH-Pg	1	146	145	82.07	90.34	9.66	5.52	8.27	4.14
MCHC-g/dl	1	146	145	95.86	95.17	2.07	2.76	2.07	2.07
Plt. $x10^3/\mu l$	1	146	145	93.1	89.66	2.76	3.45	4.14	6.89
ReticCount%	2	146	128	96.09	84.38	2.34	11.72	1.57	3.90
PS Assessment	3	146	129	Satisfactory :95.28%, Borderline Sat. :2.02%, Unsatisfactory :2.70%					

*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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