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. : 3109 **Distribution No.:** 158-H **Month/Year:** December/2022

Instrument ID: SN00307

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: 01-02-2023[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	7.13	7.08	14.21	13.15	0.0520	1.19	0.05	0.1	0.0100	-0.52
RBC x10^6/µl	1	4.83	4.75	9.58	9.32	0.0130	1.30	0.08	0.05	0.0040	0.67
Hb g/dl	1	13.67	13.51	27.18	27.2	0.0320	-0.03	0.16	0.1	0.0120	0.40
HCT%	1	45.5	44.7	90.2	83.6	0.2470	1.43	0.8	0.4	0.0390	0.90
MCV-fl	1	94.2	94.1	188.3	179.4	0.4310	1.15	0.1	0.3	0.0300	-0.67
MCH-Pg	1	28.8	28	56.8	58.4	0.0810	-1.14	0.8	0.2	0.0250	2.02
MCHC-g/dl	1	30.6	29.7	60.3	64.75	0.1850	-1.30	0.9	0.3	0.0260	2.70
Plt. x10^3/µl	1	308	298	606	550	2.59	1.28	10	8	0.67	0.27
Retic %	2	5.5	5	10.5	7	0.17	0.98	0.5	0.3	0.03	0.90

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs= , Poly= L=, E=, Mono/Promono= , B1= P.M.=, Mye=, Meta=, Other=	Poly: 44 - 58, Myelo: 12 - 24, Meta: 10- 15, Lympho: 3- 6, Eosino: 1-3, Promyelo: 1-6, Blast:1-3, Mono: 1 - 2, nRBC/ Baso: 0-5
RBC Morphology	3		Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, hypochromia, Microcytosis; Mild: Macrocytosis, Poikilocytosis
Diagnosis	3		Chronic Myeloid Leukemia (Chronic Phase)

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 158--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	141	141	83.69	84.4	5.67	7.8	10.64	7.8
RBC x10^6/µl	1	141	141	86.52	92.2	7.09	1.42	6.39	6.38
Hb g/dl	1	141	141	89.36	89.36	4.96	3.55	5.68	7.09
HCT%	1	141	140	93.57	89.29	4.29	5.71	2.14	5
MCV-fl	1	141	140	92.86	83.57	2.86	12.14	4.28	4.29
MCH-Pg	1	141	141	87.23	93.62	4.96	4.26	7.81	2.12
MCHC-g/dl	1	141	140	94.29	87.86	4.29	6.43	1.42	5.71
Plt. x10^3/µl	1	141	141	86.52	92.91	9.22	4.96	4.26	2.13
ReticCount%	2	141	117	97.44	83.76	1.71	0.85	0.85	15.39
PS Assessment	3	141	111	Satisfactory :96.46%, Borderline Sat. :3.54%, Unsatisfactory :0%					

*Comments:

1). Among Lab (EQA) : PS Diagnosis not 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. : 3109 **Distribution No.:** 157-H **Month/Year:** September/2022

Instrument ID: SN 00307

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: 07-11-2022[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	4.74	4.7	9.44	9.03	0.0420	0.65	0.04	0.1	0.0090	-0.62
RBC x10^6/µl	1	4.74	4.73	9.47	9.38	0.0150	0.34	0.01	0.05	0.0050	-0.67
Hb g/dl	1	12.32	12.22	24.54	24.9	0.0410	-0.54	0.1	0.1	0.0110	0.00
HCT%	1	41.8	41.7	83.5	80.25	0.2890	0.66	0.1	0.4	0.0430	-0.67
MCV-fl	1	88.2	88.2	176.4	170.45	0.4740	0.64	0	0.3	0.0410	-0.58
MCH-Pg	1	26	25.8	51.8	52.9	0.1010	-0.70	0.2	0.2	0.0230	0.00
MCHC-g/dl	1	29.5	29.3	58.8	61.75	0.2320	-0.75	0.2	0.3	0.0300	-0.27
Plt. x10^3/µl	1	209	194	403	367.5	2.38	0.83	15	7	0.61	1.20
Retic %	2										

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT
DLC%	3	Nrbcs= , Poly= L=, E=, Mono/Promono= , B1= P.M.=, Mye=, Meta=, Other=	Poly: 42-56 , Lympho: 28-40 ,Eosino: 5-12 , Mono: 2-5, blast/Promyelo/Myelo/Meta: 0
RBC Morphology	3		Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, Microcytosis, Hypochromia; Mild: Poikilocytosis , Target cells , Sickle shaped cells ,tear drop cells
Diagnosis	3		Hemoglobinopathy possible sickle cell anemia

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 157--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	136	136	86.76	90.44	4.41	2.94	8.83	6.62
RBC $x10^6$/µl	1	136	136	90.44	91.18	3.68	2.94	5.88	5.88
Hb g/dl	1	136	136	91.91	91.18	3.68	5.15	4.41	3.67
HCT%	1	136	136	89.71	88.97	5.88	5.88	4.41	5.15
MCV-fl	1	136	136	91.18	93.38	5.88	1.47	2.94	5.15
MCH-Pg	1	136	136	83.82	90.44	8.82	5.15	7.36	4.41
MCHC-g/dl	1	136	136	88.97	88.24	5.88	6.62	5.15	5.14
Plt. $x10^3$/µl	1	136	136	93.38	95.59	3.68	2.21	2.94	2.2
ReticCount%	2	136	107	97.2	96.26	1.87	1.87	0.93	1.87
PS Assessment	3	136	105	Satisfactory :89.71%, Borderline Sat. :7.35%, Unsatisfactory :2.94%					

Comments:

1). Among Lab (EQA) : PS Diagnosis not 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. : 3109 **Distribution No.:** 156-H **Month/Year:** June/2022

Instrument ID: MEK-1301, SN - 00307

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: 28-08-2022[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	4.6	4.6	9.2	8.4	0.0440	1.16	0	0.1	0.0120	-0.79
RBC x10^6/µl	1	4.02	3.96	7.98	7.8	0.0120	0.87	0.06	0.04	0.0040	0.67
Hb g/dl	1	11.65	11.6	23.25	24.9	0.0420	-2.47	0.05	0.1	0.0120	-0.34
HCT%	1	43.2	42.4	85.6	79.2	0.2340	1.57	0.8	0.4	0.0420	0.90
MCV-fl	1	107.5	107.1	214.6	203	0.4580	1.42	0.4	0.3	0.0410	0.22
MCH-Pg	1	29.4	28.9	58.3	63.5	0.1090	-2.81	0.5	0.3	0.0260	0.67
MCHC-g/dl	1	27.5	26.9	54.4	62.9	0.1850	-2.80	0.6	0.3	0.0310	0.81
Plt. x10^3/µl	1	233	225	458	420	2.64	0.78	8	5	0.53	0.58
Retic %	2	4.1	3.9	8	12.85	0.41	-0.54	0.2	0.5	0.05	-0.51

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=2 , Poly=8 L=4, E=1, Mono/Promono=2 , B1=30 P.M.=25, Mye=14, Meta=13, Other=	Blast: 21-68, Poly: 7-15, Lympho: 4-10, Promyelo: 1-15, Myelo/Mono/Meta: 1-8, nRBC/Eos: 0-1
RBC Morphology	3	Moderately anisocytic and poikilocytic with presence of macrocytes prominent.	Predominantly: Normocytic/Normochromic; Moderate: Microcytosis, Hypochromia; Mild: Anisocytosis, Macrocytosis
Diagnosis	3	AML (ACUTE MYELOID LEUKAEMIA)	AML with Monocytic Differentiation

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 156--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 $x10^3/\mu l$	1	139	137	84.67	84.67	4.38	2.19	10.95	13.14
RBC $x10^6/\mu l$	1	139	139	87.05	87.05	4.32	5.04	8.63	7.91
Hb g/dl	1	139	139	86.33	88.49	5.76	2.16	7.91	9.35
HCT%	1	139	137	90.51	90.51	6.57	2.19	2.92	7.3
MCV-fl	1	139	137	89.78	91.97	5.11	5.11	5.11	2.92
MCH-Pg	1	139	137	89.05	86.86	5.11	8.76	5.84	4.38
MCHC-g/dl	1	139	137	89.78	89.05	4.38	4.38	5.84	6.57
Plt. $x10^3/\mu l$	1	139	137	90.51	89.05	4.38	8.76	5.11	2.19
ReticCount%	2	139	114	97.37	90.35	1.75	9.65	0.88	0.00
PS Assessment	3	139	113	Satisfactory :94.26%, Borderline Sat. :2.15%, Unsatisfactory :3.59%					

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

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

EQAP CODE No. : 3109 **Distribution No.:** 155-H **Month/Year:** March/2022

Instrument ID: MEK-1301, SN- 00307

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	4.28	4.24	8.52	8.1	0.0550	**0.46**	0.04	0.1	0.0090	**-0.51**
RBC x10^6/µl	1	3.43	3.37	6.8	6.8	0.0100	**0.00**	0.06	0.04	0.0030	**0.60**
Hb g/dl	1	11.36	11.11	22.47	24	0.0400	-2.06	0.25	0.1	0.0110	**1.01**
HCT%	1	39.5	38.6	78.1	70.1	0.1840	2.23	0.9	0.4	0.0340	**1.35**
MCV-fl	1	115.2	114.5	229.7	207.3	0.4150	3.02	0.7	0.4	0.0460	**0.54**
MCH-Pg	1	33.1	33	66.1	70.1	0.1370	**-1.66**	0.1	0.3	0.0260	**-0.90**
MCHC-g/dl	1	28.8	28.8	57.6	68	0.2000	-2.65	0	0.3	0.0340	**-0.81**
Plt. x10^3/µl	1	140	138	278	294	1.69	**-0.48**	2	5	0.49	**-0.58**
Retic %	2	2.1	2	4.1	12.5	0.43	**-0.97**	0.1	0.5	0.05	**-0.67**

P.S . Assesment

		YOUR REPORT	CONSENSUS REPORT
DLC%	3	Nrbcs=3 , Poly=30 L=5, E=2, Mono/Promono=4 , B1=13 P.M.=18, Mye=6, Meta=19, 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	Predominantly Normocytic/ Normochromic, Moderate Anisocytosis, Hypochromia, Microcytosis Mild	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, hypochromia, Microcytosis; Mild: Macrocytosis, Poikilocytosis
Diagnosis	3	Acute Myeloid Leukaemia	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) : CBC result for MCV unacceptable, may be due to random/human error. 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.

Report authorized by,

Dr. Seema Tyagi (Prof.)
PT Co-ordinator: ISHTM-AIIMS-EQAP
Department of Hematology, AIIMS, New Delhi

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

RCA & CAPA Format

Dr Bharti Path Labs

Date: 10 September 2022

Non conformity/ Issue Identified:

- The EQAS result for the following parameters were out of range (Z Score):
    - March 2022: Hb (2.01 Warning level); MCV-fl (3.02)
    - June 2022: Hb (-2.47 Warning level); MCH-Pg (-2.81 Warning level); MCHC-g/dl (-2.80 Warning level)

Root Cause Analysis:

- For two consecutive reports the Hb is coming in warning level so an analysis was done to understand the reasons from reagents to machinery and manpower issues.
- The reason identified was that the reagent were kept outside for extended period while working leading to the problem.

CAPA:

- Staff again sensitized to immediately keep the reagents back in the fridge to ensure temperature control.

Conducted By: Mr Rachit 

Approved By: Dr Bharti