



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. : 1198

Distribution No.: 154-D

Month/Year: November/2021

Instrument ID: MEK 7300 K, Celltac ES, 5 Part Hematology Analyzer, Nihon Kohden, Sr No 994

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: 22-02-2022[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	4.1	4	8.1	7.27	0.0600	0.45	0.1	0.1	0.0090	0.00
RBC x10 ⁶ /μl	1	3.48	3.47	6.95	7.36	0.0070	-2.21	0.01	0.04	0.0030	-0.67
Hb g/dl	1	10.4	10.4	20.8	21.2	0.0210	-0.68	0	0.1	0.0080	-0.67
HCT%	1	32.1	32.1	64.2	64.1	0.1070	0.03	0	0.3	0.0250	-0.58
MCV-fl	1	92.5	92.2	184.7	174	0.2260	1.80	0.3	0.3	0.0240	0.00
MCH-Pg	1	30	29.9	59.9	57.5	0.0590	1.54	0.1	0.3	0.0190	-0.67
MCHC-g/dl	1	32.4	32.4	64.8	66.1	0.1060	-0.45	0	0.3	0.0220	-0.81
Plt. x10 ³ /μl	1	131	131	262	269	0.95	-0.26	0	4	0.28	-0.77
Retic %	2	0.6	0.4	1	4.4	0.10	-1.12	0.2	0.2	0.01	0.00

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT		
DLC%	3	Nrbcs=2.00, Poly=2.00 L=6.00, E=0.00, Mono/Promono=0.00, B1=92.00 P.M.=0.00, Mye=0.00, Meta=0.00, Other=	Blast: 60-85, Poly: 2-6, Lympho: 6-21, nRBC/mono/Eosino/Myelo/Meta: 0-1		
RBC Morphology	3	Anisocytosis +, microcytosis +, hypochromia +, macrocytosis +, elliptocytes few, tear drop cells occasional, few polychromatic RBCs noted	Predominantly: Normocytic/ Normochromic, Moderate: Anisocytosis, Microcytic		
Diagnosis	3	s/o Acute leukemia	Acute Leukemia (AL)		

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 154--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 x10 ³ /µl	1	319	312	79.49	85.58	5.45	5.45	15.06	8.97
RBC x10 ⁶ /µl	1	319	319	88.09	88.09	5.02	4.7	6.89	7.21
Hb g/dl	1	319	319	87.15	87.77	5.02	5.64	7.83	6.59
HCT%	1	319	313	91.37	89.78	3.83	5.43	4.8	4.79
MCV-fl	1	319	313	91.69	90.42	4.47	5.11	3.84	4.47
MCH-Pg	1	319	313	90.1	89.46	5.43	4.15	4.47	6.39
MCHC-g/dl	1	319	313	90.42	88.5	6.07	6.39	3.51	5.11
Plt. x10 ³ /µl	1	319	313	91.05	95.85	4.79	3.19	4.16	0.96
ReticCount%	2	319	319	95.3	89.66	2.19	2.19	2.51	8.15
PS Assessment	3	319	298	Satisfactory :94.36%, Borderline Sat. :5.32%, Unsatisfactory :0.31%					

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.

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. : 1198

Distribution No.: 155-D

Month/Year: February/2022

Instrument ID: MEK 7300 K, Celltac ES, 5 Part Hematology Analyzer, Nihon Kohden , Sr No 994

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: 27-04-2022[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	3.9	7.9	7	0.0290	1.13	0.1	0.1	0.0070	0.00
RBC x10 ⁶ /μl	1	3.55	3.48	7.03	7.33	0.0080	-1.31	0.07	0.03	0.0020	1.08
Hb g/dl	1	13.3	13.2	26.5	26.7	0.0210	-0.34	0.1	0.1	0.0070	0.00
HCT%	1	43.2	42.7	85.9	84	0.1430	0.43	0.5	0.4	0.0230	0.22
MCV-fl	1	123	122	245	227	0.2950	1.83	1	0.3	0.0250	1.57
MCH-Pg	1	38.2	37.2	75.4	72.8	0.0800	1.21	1	0.3	0.0190	3.15
MCHC-g/dl	1	31.1	30.6	61.7	63.65	0.1130	-0.56	0.5	0.3	0.0180	0.67
Plt. x10 ³ /μl	1	213	210	423	401.5	1.40	0.57	3	5	0.31	-0.39
Retic %	2	20.2	19.3	39.5	16	0.28	3.41	0.9	0.5	0.03	0.67

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT	
DLC%	3	Nrbcs=2 , Poly=37 L=2, E=3, Mono/Promono=1 , B1=4 P.M.=2, Mye=25, Meta=23, Other=	Poly: 40 - 60, Myelo: 10 - 25, Meta: 5 - 20, Promyelo: 1-10, nRBC/Lympho/Blast/Eos/Baso/Mono: 0 - 5	
RBC Morphology	3	Anisocytosis +, normocytic normochromic, target cells few	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, hypochromia, Microcytosis; Mild: Macrocytosis, Poikilocytosis	
Diagnosis	3	Chronic myeloid leukemia (CML)	Chronic Myeloid Leukemia (Chronic Phase)	

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 155--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 x10 ³ /μl	1	354	347	87.61	86.46	4.03	3.75	8.36	9.79
RBC x10 ⁶ /μl	1	354	354	88.98	88.7	5.08	3.67	5.94	7.63
Hb g/dl	1	354	354	84.18	84.75	5.93	5.93	9.89	9.32
HCT%	1	354	347	94.24	90.2	3.17	3.46	2.59	6.34
MCV-fl	1	354	346	96.53	89.6	1.16	3.76	2.31	6.64
MCH-Pg	1	354	347	87.9	87.61	6.63	5.76	5.47	6.63
MCHC-g/dl	1	354	347	94.81	85.3	3.75	5.19	1.44	9.51
Plt. x10 ³ /μl	1	354	347	88.76	91.64	8.36	2.88	2.88	5.48
ReticCount%	2	354	325	90.77	93.23	6.15	4.92	3.08	1.85
PS Assessment	3	354	333	Satisfactory :93.58%, Borderline Sat. :4.53%, Unsatisfactory :1.89%					

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.

Report authorized by,



Dr. Seema Tyagi (Prof.)

PT Co-ordinator: ISHTM-AIIMS-EQAP

Department of Hematology, AIIMS, New Delhi

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



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 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. : 1198

Distribution No.: 156-D

Month/Year: May/2022

Instrument ID: MEK 7300 K, Celltac ES, 5 Part Hematology Analyzer, Nihon Kohden , Sr No 994

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: 22-07-2022[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	19.2	18.7	37.9	19.21	0.0960	7.10	0.5	0.15	0.0110	2.25
RBC x10 ⁶ /μl	1	5.24	5.16	10.4	11.28	0.0110	-2.76	0.08	0.04	0.0030	0.90
Hb g/dl	1	14.5	14.4	28.9	28.1	0.0290	1.08	0.1	0.1	0.0070	0.00
HCT%	1	53.2	52.5	105.7	94.6	0.2270	1.68	0.7	0.4	0.0240	0.81
MCV-fl	1	102	102	204	166.9	0.3470	3.71	0	0.2	0.0170	-0.67
MCH-Pg	1	27.9	27.7	55.6	49.5	0.0650	3.43	0.2	0.2	0.0120	0.00
MCHC-g/dl	1	27.4	27.3	54.7	59.1	0.1500	-1.08	0.1	0.2	0.0150	-0.34
Plt. x10 ³ /μl	1	241	209	450	614.5	4.34	-1.21	32	8	0.45	3.24
Retic %	2	17.3	17	34.3	16.65	0.27	2.38	0.3	0.5	0.02	-0.34

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT		
DLC%	3	Nrbcs=2 , Poly=42 L=5, E=1, Mono/Promono=1 , B1=5 P.M.=1, Mye=25, Meta=19, Other=	Poly: 35 - 48, Myelo: 17 - 33, Meta: 10 - 17, Promyelo: 3-7, nRBC/ Lympho /Blast/Eos/Baso/Mono: 0 - 5		
RBC Morphology	3	Anisocytosis +, Normocytic normochromic +, macrocytosis +, target cells few, occasional polychromatic RBCs noted	Predominantly: Normocytic/Normochromic; Moderate: Anisocytosis, hypochromia, Microcytosis; Mild: Macrocytosis, Poikilocytosis		
Diagnosis	3	Chronic myeloid leukemia(CML)	Chronic Myeloid Leukemia (Chronic Phase)		

COMBINED DATA VALUES OF TOTAL PARTICIPANTS

Test parameters	S.No.	Total participants covered in the current dist. 156--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 x10 ³ /µl	1	352	345	82.03	87.54	6.67	3.48	11.3	8.98
RBC x10 ⁶ /µl	1	352	352	88.92	88.35	5.97	3.69	5.11	7.96
Hb g/dl	1	352	352	84.09	88.92	5.4	5.4	10.51	5.68
HCT%	1	352	346	86.13	89.02	5.78	4.62	8.09	6.36
MCV-fl	1	352	346	83.82	93.64	4.91	3.76	11.27	2.6
MCH-Pg	1	352	346	86.71	92.77	3.76	3.47	9.53	3.76
MCHC-g/dl	1	352	346	87.28	90.17	8.38	3.18	4.34	6.65
Plt. x10 ³ /µl	1	352	346	88.44	91.33	4.91	4.91	6.65	3.76
ReticCount%	2	352	328	91.46	88.41	7.01	9.15	1.53	2.44
PS Assessment	3	352	332	Satisfactory :97.73%, Borderline Sat. :0.56%, Unsatisfactory :1.70%					

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.

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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.ishtmaimseqap.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

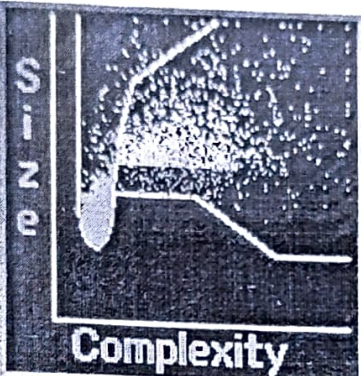
-----End Of Report-----

Details

Sample ID : EQUAS1 0000

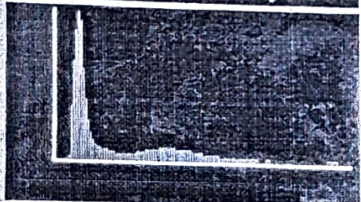
Patient ID

WBC	18.7C	$10^9/\mu\text{L}$
HE	4.1	[21.7L %]
LY	13.5*	[72.1* %]
MO	0.1*	[0.3* %]
EO	1.0H	[5.5 %]
BA	0.1	[0.4 %]

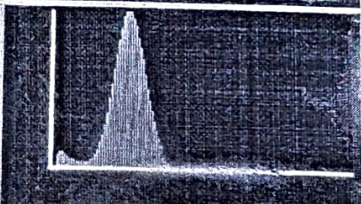


Date 24 MAY '22 14:59:26
 Measure method Open
 SEQ# 0047712
 Measure mode MANUAL
 Sample type BLOOD
 Parameters CBC + Diff

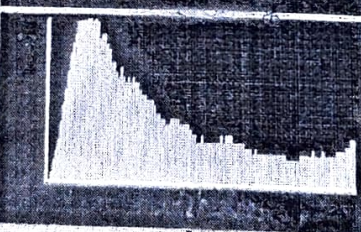
RBC	5.16*	$10^6/\mu\text{L}$
HGB	14.4	g/dL
HCT	52.5	%
MCV	102H	fL
MCH	27.9	pg
MCHC	27.4I	g/dL
RDW-CV	18.9H	%
RDW-SD	76.9H	fL
PLT	241C	$10^3/\mu\text{L}$
PCT	0.21C	%
MPV	8.8C	fL
PDW	18.3C	%



WBC flag
 Atypical Ly Small Nucleated Cells
 Poor Hemolization Leukocytosis
 Lymphocytosis Eosinophilia



RBC flag
 Abnormal MCHC Anisocytosis
 Macrocytosis Hypochromia



PLT flag
 PLT Clumps PLT-RBC Interference

Alarm

OK

Output



Data

395/400

SDC DIAGNOSTIC CENTRE LLP, SHIRWAL

HIGH LEVEL CONTROL

DATE: 5/24/2022 9:27:54 AM DATE OF BIRTH:

DEPARTMENT:

PARAMETERS: CBC + Diff

ID: MEK5DH LJ

SEQ#: 0047698

NAME:

NORMAL RANGE: GROUP10

COMMENTS:

ANALYZER: MEK-7300(UNIT1)

WBC 19.0 H [$10^3/\mu\text{L}$]
 NE 4.9 26.0 L [%]
 LY 8.1 H 42.7 [%]
 MO 0.2 0.8 [%]
 EO 5.6 H 29.6 H [%]
 BA 0.2 0.9 [%]
 IG [%]
 RBC 5.29 [$10^6/\mu\text{L}$]
 HGB 18.1 H [g/dL]
 HCT 55.8 H [%]
 MCV 106 H [fL]
 MCH 34.2 H [pg]
 MCHC 32.4 [g/dL]
 RDW-CV 15.5 H [%]
 RDW-SD 65.4 H [fL]
 PLT 586 H [$10^3/\mu\text{L}$]
 PCT 0.46 H [%]
 MPV 7.8 [fL]
 PDW 18.6 H [%]

CONTROL		II
LOT		D0522H
Mean	Limit	
Cibles	Limites	
20.1	± 2.5	WBC
5.65	± 0.27	RBC
18.1	± 0.8	Hb g/dl
181	± 8	g/L
11.24	± 0.50	mmol/L
53.7	± 3.5	Hct
0.537	± 0.035	MCV fl
95.0	± 5.0	MCH pg
32.0	± 3.4	MCHC g/dl
1.99	± 0.21	
33.7	± 3.5	
337	± 35	
20.9	± 2.2	RDW
15.0	± 4.0	RDW
505	± 70	Platelet
8.7	± 3.0	
37.5	± 30.0	
7.5	± 7.5	
13.5	± 10.0	
33.0	± 25.0	
8.5	± 8.5	
7.5	± 6.0	
1.5	± 1.5	
2.7	± 2.0	
6.6	± 5.0	
1.7	± 1.7	

#HEADER TEXT1

#HEADER TEXT2

7.8.22

NORMAL CONTROL

DATE: 2022-08-07 09:40:26

DATE OF BIRTH:

DEPARTMENT:

SAMPLE MODE: MANUAL

ID: MEK5DN LJ

SEX:

AGE:

PHYSICIAN:

RACK MMM

NAME:

OPERATOR:

PARAMETERS: CBC + Diff

COMMENTS:

SEQ#: 0049597

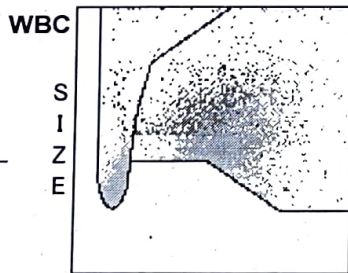
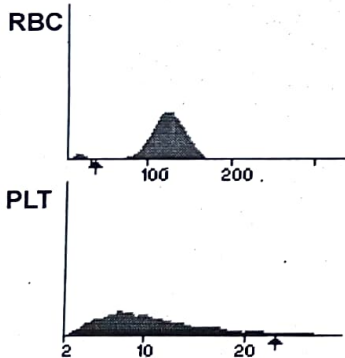
NORMAL RANGE: GROUP10

ANALYZER: MEK-7300(UNIT1)

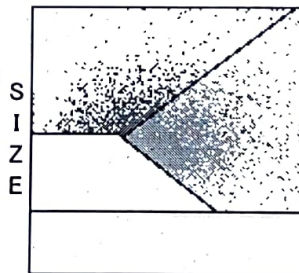
WBC	7.1	[10 ³ /μL]	(4.0 - 9.0)	
NE	0.9 L	13.2 L [%]	(1.1 - 7.0 / 28.0 - 78.0)	[WBC FLAG]
LY	3.3	45.7 [%]	(0.7 - 5.1 / 17.0 - 57.0)	
MO	0.0	0.2 [%]	(0.0 - 0.9 / 0.0 - 10.0)	
EO	2.9 H	40.7 H [%]	(0.0 - 0.9 / 0.0 - 10.0)	
BA	0.0	0.2 [%]	(0.0 - 0.2 / 0.0 - 2.0)	
IG		[%]		

RBC	4.39	[10 ⁶ /μL]	(3.76 - 5.70)	
HGB	13.9	[g/dL]	(12.0 - 18.0)	[RBC FLAG]
HCT	37.4	[%]	(33.5 - 52.0)	
MCV	85.2	[fL]	(80.0 - 100)	
MCH	31.7	[pg]	(28.0 - 32.0)	
MCHC	37.2 H	[g/dL]	(31.0 - 35.0)	
RDW-CV	16.2 H	[%]	(11.6 - 14.0)	
RDW-SD	55.2 H	[fL]	(39.0 - 46.0)	

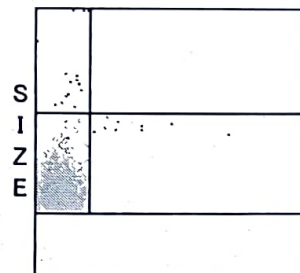
PLT	275	[10 ³ /μL]	(150 - 350)	[PLT FLAG]
PCT	0.20	[%]	(0.16 - 0.33)	
MPV	7.2	[fL]	(7.0 - 11.0)	
PDW	17.3 H	[%]	(15.0 - 17.0)	



Complexity



Granularity



Granularity

[ALARM]



NIHON KOHDEN INDIA PRIVATE LIMITED

TECHNICAL SERVICE REPORT

TOLL FREE NUMBER: 1800 103 8182

FORM NO.: CS/02/01

Report No.: NKI/CS/

142379

Service Notification Number:

2823993

Customer ID:

CALL ATTEND DATE: 05-08-2022

TIME: 07:40 PM

CALL CLOSE DATE: 05 Aug 2022

TIME: 08:45 PM

Lab/Hospital Name:

Brahmachaitanya HealthCare LLP (Soc Diagnostic Centre LLP)
Shirwal

Address:

City: Pune State: Maharashtra Pin:

Contact Person: Mrs Sarita

Department

Laboratory

Tel./Mob.No.: 9767612492

Email Id:

BREAKDOWN

P.M.S

APPLICATION

EQUIPMENT STATUS:

WARRANTY

AMC/CMC/RENTAL/DEMO

CHARGABLE CALL

AMC/CMC/WARRANTY PERIOD: FROM

TO

EXPIRED ON:

SITE VOLTAGE: L-N: 220 VAC

L-G

222 VAC N-G

2 VAC

STABILIZER/UPS:

SITE CONDITION: OK

SITE RECOMANDATION OK

EQUIPMENT NAME: Celltac ES

MODEL: MEK 7300K

SR. NO.: 994

PROBLEM REPORTED: Report issue

PROBLEM OBSERVED: Normal range displayed in front of control reading in printout

ACTION TAKEN: The setting cannot be changed in print out normal range. Will raise the concern with senior & try to get the solution for the same.

FUNCTIONINGS STATUS & SERVICING CHECKLIST OF MEK SERIES (Mandatory):

Normal Startup	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	Rinsing unit clean	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Hb LED ON	Volts	WBC L-manometer	Volts	Fac.
Pump Tube checked	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	Strong Cleaning	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Hb LED OFF	Volts	WBC U-manometer	Volts	Fac.
All Tubes Status	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	Normal Cleaning	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	RBC Electrode	Volts	RBC L-manometer	Volts	Fac.
Display Contrast	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	Filters Cleaning	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	WBC Electrode	Volts	RCC L-manometer	Volts	Fac.
Priming Check	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	Bath cleaning	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Background Noise	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Circuit Check	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	
Partical Test	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	Apertur Cleaning	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Mechanical Scaling	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Touch Screen	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	
Fine gain adjust	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	Flowcell Cleaning	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Mechanical Cleaning	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Background Noise	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	
Sampling Nozzle	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	Air pressure	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Sensitivity & Thrd.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Valve Check	<input checked="" type="checkbox"/> OK <input type="checkbox"/> N.OK	
Input CAL data:	WBC- RBC- Diluter- Y	Diluent Volts-	Factor-	Lyse: Volts-	Factor-			

ACCESSORIES USED BY CUSTOMER (FOR ME & NEURO):

Volts- Fac.

Details of Test performed (Please attach the instrument generated result printout):

TEST DESCRIPTION	RESULT OBTAINED	REMARKS
Control Run	OK	

Following parts replaced/ need to be replaced

PARTS CODE	DESCRIPTION	QTY.	OLD SPARES SRL NO.	NEW SPARES SRL NO.

Above parts are on

Free of Cost

will be invoiced to Customer

NOS. OF SAMPLE/DAY:

NOS. of ICU BED:

Engineer's Remarks: Machine working OK

Customer's remarks:

"SDC DIAGNOSTIC CENTRE LLP"

NKI Engineer's Name: Rajesh Kedar

Customer's Name

Name of Biomedical Engineer

Signature

Rajesh Kedar

Signature

[Signature]

Signature

WHITE: CUTOMER, PINK: HO, YELLOW: ENGINEER

N.B.: Please ansure filling and sending of Installation Chack list along with report at the time of Installation.

Subject to Gurugram Jurisdiction

Nihon Kohden India Pvt. Ltd., 308, Tower-A, Spazedge, Sector 47, Sohna Road, Gurgaon, Haryana, Pin-122 002, India

Tel.: +91-0124-4931000-28, Fax: +91-0124-4931029 CIN No.: U33110HR2011PTC041863, www.nihonkohden.com

SDC Diagnostic Centre LLP Shirwal	CORRECTIVE ACTION FORM	Format No: SDC/23/21-22	
		Date: August 2022	Page: 1 of 1
		Date:	08/08/2022

Process: EQAS report of AIIMS May 2022 . Result received on 28.7.22

Date of Meeting: 08/08/2022

Participants: Dr. Aditi Shukla
Mrs Savita Suryawanshi
Mrs. Varsharani Raut

Problem Statement: Control values for some parameters found out of range.

Correction: Done at Hematology section- SDC Diagnostic Centre LLP Shirwal

Root Cause Analysis:

- i) Internal run on day of running EQAS sample 24.5.22 was satisfactory for parameters.
- ii) Instrument engineer of Nihon Kohden was called for visit to check instrument and he visited on 5.8.22 to check instrument and machine was noted to work satisfactorily. Issue of printout from machine software of control displaying only normal ranges irrespective of range of control run (low, normal or high) was raised by us . This will be sorted in due time by the company.

Corrective Action Planned: i) Internal control and external control stored as per manufacturer's stability and storage instructions.

ii) EQAS sample to be run after proper mixing on rotator for 10 min on the same day of receipt of specimen.

Planning approved by: Technical manager (awareness created amongst technicians)

Test Conducted: Internal Quality Control run today on 7.8.22 was found satisfactory. EQAS will be run on the same day of receipt of sample in August.

Responsibility: Mrs. Savita Suryawanshi and hematology technicians.

Document Changes: Nil

Revision: Nil

Date: -

For Effectiveness of Corrective Action:

Approved by: Technical Manager