



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. : 1348

Distribution No.: 151-D

Month/Year: August/2020

Instrument ID: MEDONIC CELL COUNTER M-16GP

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: 27-11-2020[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	4.4	4.1	8.5	9.8	0.0460	-0.91	0.3	0.1	0.0060	1.93
RBC x10 ⁶ /µl	1	3.31	3.3	6.61	6.4	0.0060	1.18	0.01	0.03	0.0010	-0.54
Hb g/dl	1	10.4	10.4	20.8	23.4	0.0210	-4.38	0	0.1	0.0070	-1.28
HCT%	1	38.7	38.2	76.9	72.05	0.1860	0.79	0.5	0.3	0.0200	0.54
MCV-fl	1	116.9	115.6	232.5	223.5	0.4950	0.51	1.3	0.3	0.0230	2.25
MCH-Pg	1	31.6	31.4	63	73.2	0.0760	-4.91	0.2	0.3	0.0200	-0.34
MCHC-g/dl	1	27.4	26.8	54.2	65.3	0.1640	-1.91	0.6	0.3	0.0200	1.01
Plt. x10 ³ /µl	1	363	198	561	512	1.38	1.28	165	6	0.32	27.68
Retic %	2										

P.S . Assesment

YOUR REPORT		CONSENSUS REPORT
DLC%	3	Nrbc=6-8 , Poly=14-15 L=4-5, E=0-2, Mono/Promono=0-2 , B1=10-12 P.M.=22-24, Mye=18-20, Meta=20-22, Other=
RBC Morphology	3	Poly: 25-50, Lymph; 2-7, nRBC/Mono/EO/Blast/Pro: 0-5, Myelo: 20-35, Meta: 15-25, Baso: 0-3
		Predominantly: Normocytic Normochromic. Moderate: Anisocytosis. Mild: Microcytic
		Chronic Myeloid Leukemia (Chronic Phase) : CML CP

EQAP Code No.:
1348

Distribution No.: 151-D Month/Year: August/2020

Instrument ID: MEDONIC CELL
COUNTER M-16GP**COMBINED DATA VALUES OF TOTAL PARTICIPANTS**

Test parameters	S.No.	Total participants covered in the current dist.	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	450	363	88.43	86.23	4.68	5.79	6.61	7.71
RBC x10 ⁶ /µl	1	450	363	88.43	88.98	4.96	6.06	6.34	4.68
Hb g/dl	1	450	363	85.12	90.91	6.34	4.41	8.54	4.68
HCT%	1	450	363	94.77	92.29	3.03	2.75	1.93	4.68
MCV-fl	1	450	363	97.8	92.29	0.55	3.03	1.1	4.13
MCH-Pg	1	450	363	88.98	90.91	5.51	5.23	4.96	3.03
MCHC-g/dl	1	450	363	96.97	87.05	1.38	6.06	1.38	6.06
Plt. x10 ³ /µl	1	450	363	90.08	90.63	5.23	5.51	4.41	3.58
ReticCount%	2	450	322	93.17	83.85	4.35	1.55	2.8	16.15
PS Assessment	3	450	352	Acceptable:75.4%,Warning Signal:24.6%,Unacceptable :0%					

***Comments:**

1). Among Lab (EQA) : CBC result for HB & MCH unacceptable, please check calibration/human error.Remaining results acceptable.,Retic Results not reported, PS partially correct

2). Within Lab (IQA) : Difference in the CBC measurement values for PLT 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.

Report authorized by,



Dr. Seema Tyagi (Prof.)

PT Co-ordinator: ISHTM-AIIMS-EQAP

Department of Hematology, AIIMS, New Delhi

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



EQAS / ILC / CORRECTIVE ACTION REPORT

Name of the Department: Pathology

EQAS / ILC Programme: AIIMS

Cycle / Sample No: 1510

Month and year : August 2020, August sample was

Nature of Non Conformance: sent to us on 1.11.2020.

Results received and observed.

Parameter like RBC, HB, MCH and platelets are not in the range. As sample was dispatched from AIIMS on 10.10.2020, received on 1.11.2020.

Delay in the receiving of sample is there, so ambient temperature was not maintained. At the same time corrective and preventive action taken : calibrations was also due.

As calibrations were due this month, suspecting random error.

At the same time inter laboratory correlation was done for patient, same, as reports were in compliance.

Review during the next EQAS / Effectiveness of Corrective Action:

The performance of the RBC, Hb, MCH & platelet will be reviewed in the next cycle after the calibrations.

Prepared by :

* Calibration done on 14/12/2020 Report enclosed

Approved by:

Madhavi
30-11-2020



PRIME AGENCIES

for your lab needs...

Instrument Service Report		Ref. No: 106
Customer Name : PRANAAM HOSPITALS Address : Madinaguda, Miyapur, Hyderabad - 500050, Telangana. Contact Person : MYS. ARUNA Contact No : E Mail ID :	<u>Message Received</u> By: M. Sreenivasulu	<u>Work carried out at</u> <input checked="" type="checkbox"/> Site <input type="checkbox"/> Service Centre
	Date: _____ Time: _____ Visit Date : 14-12-2020 Time in : 4:45 PM. Time out : 6:10 PM.	<u>Nature of Visit</u> <input type="checkbox"/> Installation <input checked="" type="checkbox"/> Preventive Maintenance <input checked="" type="checkbox"/> Applications <input type="checkbox"/> Breakdown <input type="checkbox"/> Emergency <input type="checkbox"/> Others

Warranty <input checked="" type="checkbox"/>	Service Contract	Charge Call
--	------------------	-------------

Particulars of Instrument		Customer's Complaint
Instrument Name	Medonic M32 B.	Regular PM, And calibration.
Serial No.	111 306	

Description of workdone/ Remarks	Part Replaced		
	Art No.	Description	Free / To pay
Checked the instrument, PM done and calibrated - with. Boule calibrator. Lot no. 22010-34, Also performed Low Controls all the reports are satisfactory.			

Warranty : _____

Customer Remarks : _____

Service Charge Rs.	Spare Replaced Rs.	Total Rs.
--------------------	--------------------	-----------

This is to Certify that the above mentioned instrument has been installed/serviced/ Referred to service centers and working satisfactory

Name & Signature of Engineer: *Sreenivasulu*

Date 14/12/2020 Signature of Customer & Seal: *Aruna*

Franchisee: _____

Boule Cal

CAL

IVD



Open vial stability 5 days ¹

Calibrator

Lot	
22010-34	2021-01-15

Medonic

Parameter ²	RBC 10 ¹² /L	MCV fL	Plt 10 ⁹ /L	MPV fL	WBC 10 ⁹ /L	Hgb g/dL
CA620/530	4.16	75.3	257	9.7	8.7	11.6
Medonic M-series / M32	4.16	78.1	238	9.7	8.4	11.7
Range ± ³	0.10	2.0	15	1.5	0.3	0.2

Swelab

Parameter ²	RBC 10 ¹² /L	MCV fL	Plt 10 ⁹ /L	MPV fL	WBC 10 ⁹ /L	Hgb g/dL
AC9xxeo+	4.16	80.0	236	10.5	7.6	11.6
Swelab Alfa / Alfa Plus	4.16	79.3	244	10.3	8.4	11.7
Range ± ³	0.10	2.0	15	1.5	0.3	0.2

bg	1	Трайност на отворен флакон
hr		Stabilnost otvorene bočice
cs		Stabilita otevřené ampulky
da		Åben r�r stabilitet
et		Stabiilsus avatud viaalis
fr		Stabilit� en flacon ouvert
de		Stabilit�t ge�ffneter Flaschen
el		Διατήρηση δείγματος μετά την αποσφράγιση
it		Stabilit� della fiala aperta
lv		Atv�rt flakonu stabilit�ti
lt		Stabilumas atidarius buteliuka
no		Åpen r�r/glass stabilitet
pl		Trwa�o�c po otwarzeniu fiołki
pt		Estabilidade ap�s abertura do frasco
ro		Termenul de valabilitate al fiolei desf�cute
ru		Стабильность вскрытого флакона
sr		Proizvod stabilan nakon otvaranja pakovanja
sk		Stabilita otvorenej injek�nej liekovky
sl		Stabilnost odprte stekleni�ke
es		Estabilidad de la c�psula abierta
sv		H�llbarhet f�r �ppnad flaska
tr		A�ık ŐiŐe stabilitesi

5 �ni	2	Παράμετρος	3	Обхват
5 dani		Parametar		Raspon
5 dny		Parametr		Rozsah
5 dage		Parameter		Omr�de
5 p�evade arv		Parameeter		Vahemik
5 jour		Param�tre		Intervalle
5 tage		Parameter		Bereich
5 �m�ra		Παράμετρος		Αναμενόμενο �ρος α
5 giorni		Parametro		Intervallo
5 dias		Parametrs		Diapazons
5 d.		Parametras		Intervalas
5 dager		Parameter		Omr�de
5 Liczba dni		Kryterium		Zakres
5 dias		Par�metro		Intervalo
5 zile		Parametru		Interval
5 �ней		Παράμετρος		диапазон
5 dana		Parametar		Opseg
5 dn�		Parameter		Rozsah
5 dni		Parameter		Obmo�je
5 dias		Par�metro		Intervalo
5 dagar		Parameter		Intervall
5 g�n		Parametre		Aralıđı



<http://www.medonic.se/>
www.swelab.com/

Boule
 Boule Medical AB
 Domnarvsgatan 4
 SE-163 53 Sp nga, Sweden

25123-3

1504055

For CA620 with barcode reader

1. Go to Menu 7.4.1

CA620 Main Menu Program: V3c75 1. Sample memory... 2. Set auto-print-mode=0 - 3. Set print-key function=2 - 4. Set print format= 8 - 5. Setup menu... 6. Service menu... 7. QC menu 8. System flow menu...	7. QC menu 7.1 Control memory 7.2 Control L-J plots 7.3 X-B L-J plots 7.4 QC setup menu 7.5 Set SEQ= 1	7.4.1 Input control definition Use the barcode reader to input the list of barcodes from the assay sheet for the control you want to define. See User's Manual for further info. 0 barcodes read. Press < Menu > to skip.
--	--	--

2. Scan in the calibrator/control in sequence top to bottom

Mfg: CA Boule reag.

Product: Cal

Lot: 22010-34

ID: 2201034+

Exp.: 15-Jan-2021

1:



2:



3:



4:



5:



6:



7:



8:



9:



For Medonic M-series / M32 with barcode reader

M-Series:

1. In the Main Menu go to "Q/C Menu" "Enter Con/Cal" "Control/Calibrator Assay Value Input"
2. Scan in each blood calibrator/control column by column, sequence 1 to 9

M32:

1. In the Main Menu go to "Quality Control" "Input Assays"
2. Scan in each blood calibrator / control column by column, sequence 1 to 9

Instr.: M-series

Lot: 22010-34

Prod.: Cal

ID: 2201034+

Exp.: 15-Jan-2021

1:



2:



3:



4:



5:



6:



7:



8:



9:



For Swelab Alfa / Alfa Plus with barcode reader

Alfa:

1. In the Main Menu go to "Q/C Menu" "Enter Con/Cal" "Control/Calibrator Assay Value Input"
2. Scan in each blood calibrator/control column by column, sequence 1 to 9

Alfa Plus:

1. In the Main Menu go to "Quality Control" "Input Assays"
2. Scan in each blood calibrator / control column by column, sequence 1 to 9

Instr.: Swelab Alfa

Lot: 22010-34

Prod.: Cal

ID: 2201034+

Exp.: 15-Jan-2021





maternity matters

Exclusive maternity wing from Pranaam Hospitals
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Calibration Report

Printed: 14-12-2020 05:36 PM
Operator ID:
Instrument S/N: 111304
Instrument ID: 111306
Software Version: 2.3.2r
Authorization Level: Advanced User

Calibration: Whole Blood
Calibrated by:
Calibration Time: 14-12-2020 05:36 PM

Calibration Result

Param	Prev.	Current	Method	CV (%)
RBC:	-7.0	-3.1	AT	0.9
MCV:	1.7	-6.7	AT	0.7
PLT:	-19.1	-19.8	AT	4.0
MPV:	-24.4	-10.6	AT	1.2
HGB:	-20.4	-17.3	AT	1.4
WBC:	-15.0	-9.6	AT	0.0
RDW%:		6682		
RDW:		6800		
PDW:		7300		
PDW%:		3400		

Sample Selection

SEQ	ID
19250	2201034+
19249	2201034+
19248	2201034+

RBC (10¹²/l)

CV (%)	Mean	Target
0.9	3.99	4.16
SEQ	Value	
19250	3.95	
19249	4.02	
19248	4.00	

MCV (fl)

CV (%)	Mean	Target
0.7	85.1	78.1
SEQ	Value	
19250	85.7	
19249	85.2	
19248	84.5	

PLT (10⁹/l)

CV (%)	Mean	Target
4.0	240	238

*performed by
S. S. P.
14/12/2020.*

*Anura
14/12/2020*



1.2	8.2	9.7
SEQ	Value	
19250	8.2	
19248	8.2	
19248	9.7	

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HGB (g/dl)		
CV (%)	Mean	Target
1.4	11.3	11.7
SEQ	Value	



19250 11.1
 19249 11.4
 19248 11.3

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WBC (10 ⁹ /l)	Mean	Target
CV (%)	7.9	8.4
SEQ	Value	
19250	7.9	
19249	7.9	
19248	7.9	



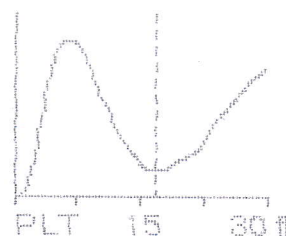
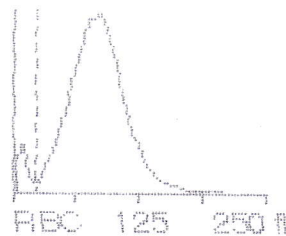
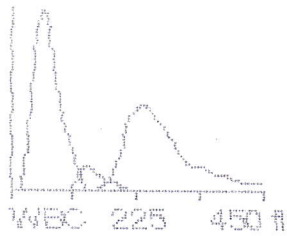
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ID 1: 2201034+
ID 2:
Seq.: 19250
Date: 14-12-2020
Time: 05:34 PM
Prof.: Calibrator 2201034+
Asp.: Open Tube
Oper.:
Notes:

			Ranges	
WBC	7.9	▼	10 ⁹ /l	8.1 : 8.7
HGB	11.1	▼	g/dl	11.5 : 11.9
RBC	3.95	▼	10 ¹² /l	4.06 : 4.26
MCV	85.7	▲	fl	76.1 : 80.1
PLT	229		10 ⁹ /l	223 : 253
MPV	8.1	▼	fl	8.2 : 11.2





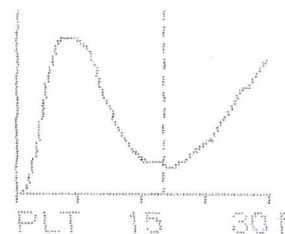
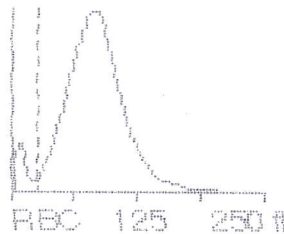
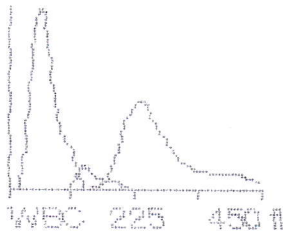
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Exclusive maternity wing from Pranaam Hospitals
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ID 1: 2201034+
ID 2:
Seq.: 19249
Date: 14-12-2020
Time: 05:33 PM
Prof.: Calibrator 2201034+
Asp.: Open Tube
Oper.:
Notes:

			Ranges	
WBC	7.9	▼	$10^9/l$	8.1 : 8.7
HGB	11.4	▼	g/dl	11.5 : 11.9
REC	4.02	▼	$10^{12}/l$	4.06 : 4.26
MCV	85.2	▲	f1	76.1 : 80.1
PLT	244		$10^9/l$	223 : 253
MPV	8.2		f1	8.2 : 11.2





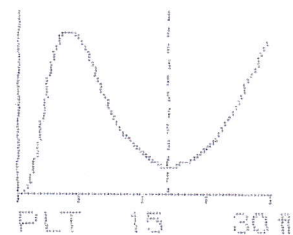
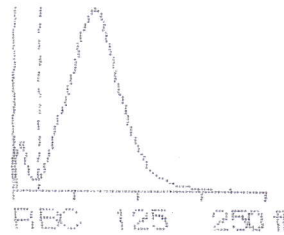
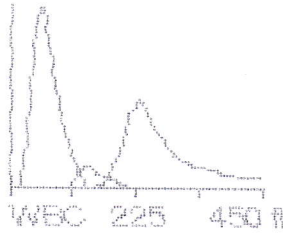
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ID 1: 2201034+
ID 2:
Seq.: 19248
Date: 14-12-2020
Time: 05:31 PM
Prof.: Calibrator 2201034+
Asp.: Open Tube
Oper.:
Notes:

			Range	
WBC	7.9 ▼	10 ⁹ /l	8.1	8.7
HGB	11.3 ▼	g/dl	11.5	11.9
RBC	4.00 ▼	10 ¹² /l	4.06	4.26
MCV	84.5 ▲	fl	76.1	80.1
PLT	247	10 ⁹ /l	223	253
MPV	8.3	fl	8.2	11.2





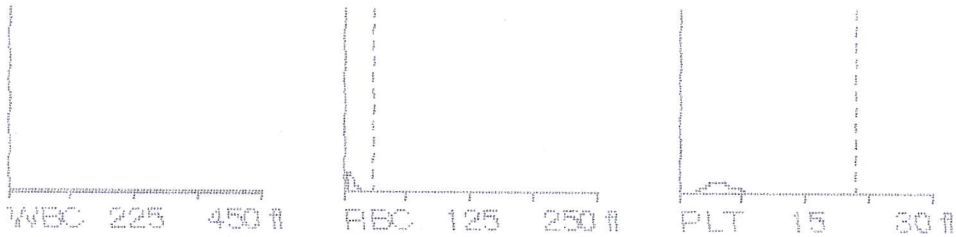
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Exclusive maternity wing from Pranaam Hospitals
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ID 1:
ID 2:
Seq.: 19247
Date: 14-12-2020
Time: 05:24 PM
Prof.: Background
Asp.: Open Tube
Oper.:
Notes:

			Ranges		
WBC	0.0	10 ⁹ /l	0.0	:	0.1
HGB	0.0	g/dl	0.0	:	0.2
RBC	0.00	10 ¹² /l	0.00	:	0.02
PLT	9	10 ⁹ /l	0	:	10





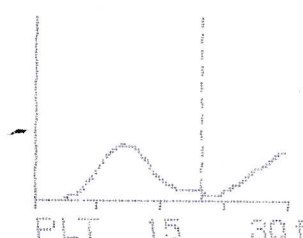
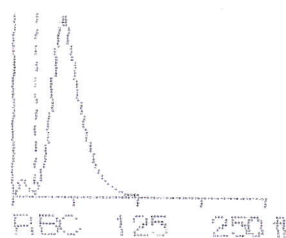
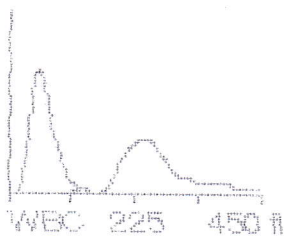
maternityTM
matters

Exclusive maternity wing from Pranaam Hospitals
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ID 1: 2201041+
ID 2:
Seq.: 19251
Date: 14-12-2020
Time: 05:47 PM
Prof.: Low 2201041+
Asp.: Open Tube
Oper.:
Notes:

			Ranges		
WBC	3.6	10 ⁹ /l	3.2	:	3.8
LYM	1.6	10 ⁹ /l	1.1	:	1.9
LYMX	44.5	%	36.1	:	50.1
MID	0.1	10 ⁹ /l	0.0	:	0.5
MIDX	4.0	%	0.0	:	10.0
GRA	1.9	10 ⁹ /l	1.0	:	2.6
GRAX	51.5	%	44.9	:	58.9
HGB	5.3	g/dl	5.0	:	5.6
MCH	23.9	pg	22.5	:	25.5
MCHC	41.5	g/dl	35.7	:	41.7
RBC	2.24	10 ¹² /l	2.09	:	2.33
MCV	57.4	fl	57.2	:	67.2
HCT	12.9	%	11.2	:	16.2
RDW%	15.9	%	11.1	:	19.1
PLT	69	10 ⁹ /l	64	:	94
MPV	11.3	fl	8.3	:	11.3



performed by
S.S.
14/12/2020

Agarwal
14/12/2020



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. : 1348

Distribution No.: 150-D

Month/Year: February/2020

Instrument ID: MEDONIC CELL COUNTER M-16GP

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: 25-08-2020[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	1.8	1.8	3.6	3.8	0.0220	-0.30	0	0.05	0.0030	-0.67
RBC x10 ⁶ /µl	1	3.62	3.61	7.23	7.77	0.0030	-3.13	0.01	0.03	0.0020	-0.54
Hb g/dl	1	11.8	11.8	23.6	24.4	0.0180	-1.80	0	0.1	0.0070	-1.35
HCT%	1	33.3	33.1	66.4	71.35	0.1530	-1.06	0.2	0.3	0.0180	-0.34
MCV-fl	1	92.1	91.8	183.9	184.2	0.3120	-0.03	0.3	0.2	0.0180	0.34
MCH-Pg	1	32.8	32.6	65.4	62.8	0.0550	1.85	0.2	0.3	0.0160	-0.45
MCHC-g/dl	1	35.7	35.4	71.1	68.1	0.1340	0.67	0.3	0.3	0.0160	0.00
Plt. x10 ³ /µl	1	109000	104000	213000	245	2.52	6106.44	5000	4	0.26	1347.90
Retic %	2										

P.S . Assesment

YOUR REPORT			CONSENSUS REPORT		
DLC%	3	Nrbcs=2-4 , Poly=55-65 L=5-8, E=4-6, Mono/Promono=0-1 , B1=2-4 P.M.=0-1, Mye=20-25, Meta=10-15, Other=BASOPHILIS - 2-4	Poly: 55-65, L: 2-10, nRBC/Eo/Mono/Pro: 0-5, Myelo: 10-20, Meta: 10-20, Baso: 0-2		
RBC Morphology	3	Normocytic Normochromic, target cells, anisocytosis	Predominantly: Normocytic Normochromoic. Moderate: Anisocytosis. Mild: Microcytic.		
Diagnosis	3	CML	Chronic Myeloid Leukemia (Chronic Phase) : CML-CP		

EQAP Code No.:
1348

Distribution No.: 150-D Month/Year: February/2020

Instrument ID: MEDONIC CELL
COUNTER M-16GP**COMBINED DATA VALUES OF TOTAL PARTICIPANTS**

Test parameters	S.No.	Total participants covered in the current dist.	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	450	324	90.43	60.19	3.09	37.96	7.1	1.85
RBC x10 ⁶ /µl	1	450	324	87.65	87.35	6.17	5.86	6.79	7.41
Hb g/dl	1	450	324	84.57	94.14	8.33	2.78	7.1	3.09
HCT%	1	450	324	96.91	91.05	1.54	3.7	1.54	5.25
MCV-fl	1	450	324	99.38	86.42	0.31	8.33	0.31	5.56
MCH-Pg	1	450	324	87.65	93.52	7.41	2.78	5.56	3.7
MCHC-g/dl	1	450	324	98.15	89.81	1.23	6.17	0.62	3.7
Plt. x10 ³ /µl	1	450	324	91.98	89.81	5.56	5.56	3.09	4.94
ReticCount%	2	450	265	95.09	87.17	4.53	11.32	0.75	3.4
PS Assessment	3	450	310	Acceptable:95.5%,Warning Signal:4.5%,Unacceptable :0%					

Comments:

1). Among Lab (EQA) : CBC result for RBC & PLT unacceptable, please check calibration/human error. Remaining results acceptable.

2). Within Lab (IQA) : Difference in the CBC measurement values for PLT 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.

Report authorized by,



Dr. Seema Tyagi (Prof.)

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