



Analog Healthcare Private Limited

Sysmex XP-100

ANALYSER

IQ, OQ, PQ

CERTIFICATES





Analog Healthcare Private Limited

CONTENTS:

- I. GENERAL INSTRUCTIONS
- II. INSTALLATION QUALIFICATION
- III. OPERATIONAL QUALIFICATION
- IV. PERFORMANCE QUALIFICATION





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I. GENERAL INSTRUCTIONS:

- Analog Healthcare India Pvt. Ltd. is responsible for installation of Sysmex XP 100 at Microcraft Pathology as per the operator manual provided.
- An authorized Analog Healthcare India Pvt. Ltd., representative physically checked the system and proceeded for installation.
- Installation checks performed to check that the instrument has been installed with proper connections and utilities.
- After the installation of the system, instrument checked for its calibration, operation and performance by the authorized Analog Healthcare India Pvt. Ltd. Representative.
- The results obtained for instrument performance are verified by the qualified trained employee of Microcraft Pathology along with the Analog Healthcare representative.
- The authorized Analog Healthcare representative verified the documents of the system checks and approved the same.
- Successful completion of this protocol were verified that this instrument has been installed in accordance with the intended usage.





Analog Healthcare Private Limited

Sysmex XP 100

INSTALLATION QUALIFICATION

FOR

Microcraft Pathology

MARKETED BY

Analog Healthcare India Pvt. Ltd.

Shop.29/ C-Wing, Ashar

Estate, Shree nagar,

Thane – 400640,

Maharashtra.

Phone: +91 9324344850

Email: info@analoghealthcare.services





Analog Healthcare Private Limited

II.A. INSTALLATION QUALIFICATION:

An IQ evaluation establishes confidence that the equipment is properly installed. The installation must meet the manufacturer’s specified guidelines.

1. Equipment Description: Sysmex XP 100

- i) Overview and Purpose: The purpose of this section is to identify the owner/user/operator of the instrument, the instrument itself, the place and date of installation, and the installer of the instrument. Record the equipment identification numbers in Table 1-1 along with the following information: purchase order number, model number, serial number, owner assigned asset number, and the location of the equipment.
- ii) System Identification Procedure: The system identification section of the IQ checklist should be filled out as follows:
 - The Customer Name field should include the name of the company that purchased and is using the instrument.
 - The Operator Name field should list the person designated as the primary user of the instrument.
 - The Site Address field should completely identify the location where the instrument is being installed. This should include the building, room number, and location in the lab.
 - The System Serial Number field should contain the serial number of the instrument being installed. If the system includes the optional 4x module, list the serial number of the module as well.
 - Date of Installation Completed should be filled out with the correct information.

Equipment Identification	
Required Information	
Customer name	Microcraft Pathology
Operator name	Mr. Pankaj Kumar
Site address	Mumbai
	Office no.106, 1 st floor, bldg. no. 1, Navjivan Co-Operative Housing Society Ltd., Dr. Dadasaheb Bhadkamkar Marg, Mumbai Central – 400 008., Mumbai.
Supplier	Analog Healthcare India Pvt. Ltd.
Manufacturer	Sysmex
Model name	XP 100
System serial number	B3845
Date of installation completed	15 th Sep, 2020.



Analog Healthcare Private Limited

2. Accessories/Consumables:

The accessories were supplied with the instrument as per the checklist. Checked & verified in case they are found to be in order.

3. Preventive Maintenance:

The preventive maintenance of the system will be carried out by an authorized Analog Healthcare India Pvt. Ltd. personnel at a specified time interval (twice in a year) as recommended by the manufacturer.

4. Spare parts:

Analog Healthcare India Pvt. Ltd. strongly recommends the end user maintain a basic consumable parts onsite to minimize downtime due to minor failures.

II.B. Installation Procedure:

1. Do the unpacking and put the system at the predefined and pre inspected location as per the operating manual.
2. Removal of the internal packing material of the system.
3. Place the instrument on the bench top.
4. After proper unpacking and physical set up of the instrument, please check for connections. Check the service manual for installation.
5. Connect the power cord to the power supply.





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CHECKLIST

- Accessories Packing list as follows:

<u>SR. NO.</u>	<u>DESCRIPTION</u>	<u>QTY (NOS)</u>	<u>STATUS</u>
1	MAIN UNIT	1	✓
2	POWER CABLE	1	✓
3	LAN CABLE	1	✓
4	DILUENT TUBE	1	✓
5	WASTE TUBE	1	✓
6	BAR CODE SCANNER	1	✓
7	FUSE KIT	1	✓
8	THERMAL PAPER ROLL	2	✓
9	TRANSDUCER BRUSH	1	✓





Analog Healthcare Private Limited

Report sign off details:



Prepared , Reviewed and approved by:	<i>Karuna Jadhav</i> <i>Dr. Rakshapatkar</i>	<i>KARUNA JADHAV</i> <i>Dr. RAKSHAPATKAR</i>	
Name:	Mr. Abhishek Reshamwala		
Title: Sr. Service Engineer	Sign:	Date:	
	<i>Abhishek</i>	15.09.2020	

Deviation: No Deviation Found.

Conclusion: Instrument has been qualified for installation. Hence it has been taken for Operational Qualification.



Analog Healthcare Private Limited

Sysmex XP 100

OPERATIONAL QUALIFICATION

FOR

Microcraft Pathology

MARKETED BY

Analog Healthcare India Pvt. Ltd.

Shop.29/ C-Wing, Ashar

Estate, Shree nagar,

Thane – 400640,

Maharashtra.

Phone: +91 9324344850

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III.A. OPERATIONAL QUALIFICATION

1. Instrument Identification

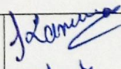


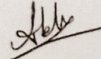
Instrument Name: Sysmex XP 100

2. Operator Training Record:

- Operator Training: The users responsible for the operation of this instrument will be trained in the proper usage of the system. Training will focus on the basic operation and maintenance of the system.

Comments: Training has been given to all the responsible laboratory staff of Microcraft Pathology to handle the software, operation and maintenance of this system. On successful completion of this training programme, Analog Healthcare India Pvt. Ltd. will issue Individual Training certificates for the laboratory staff of Microcraft Pathology who underwent this training programme.

Report sign off details:

Prepared , Reviewed and approved by:			KARUNA JADHAV
			OR RAKESH PATKAR
Name:	Mr. Abhishek Reshamwala		
Title: Sr. Service Engineer	Sign:		Date:
			15.09.2020

Deviation: No Deviation Found.

Conclusion: Instrument has been qualified for Operation. Hence it has been taken for Performance Qualification.



Analog Healthcare Private Limited

Sysmex XP 100

PERFORMANCE QUALIFICATION

FOR

Microcraft Pathology

MARKETED BY

Analog Healthcare India Pvt. Ltd.

Shop.29/ C-Wing, Ashar

Estate, Shree nagar,

Thane – 400640,

Maharashtra.

Phone: +91 9324344850

Email: info@analoghealthcare.services





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IV. PERFORMANCE QUALIFICATION

A. Instrument Identification

Instrument Name: Sysmex XP 100

- 3 levels of quality control were performed and verified.
- 5 times same samples were performed for precision testing - found okay.
- High & Low reading samples were performed to test the linearity of the results - found okay.
- 2 different samples were performed to check the carryover of the results - found okay.

Report sign off details:

Prepared , Reviewed and approved by:	 		MS KARUNA JADHAV DR RAKSHA PATILKAR
Name:	Mr. Abhishek Reshamwala		
Title: Sr. Service Engineer	Sign:	Date:	
		15.09.2020	

Deviation: No Deviation Found.

Conclusion: Instrument has been qualified for Performance.




IV. PERFORMANCE QUALIFICATION

A. Instrument Identification

Instrument Name: Sysmex XP 100

- 3 levels of quality control were performed and verified.
- 5 times same samples were performed for precision testing - found okay.
- High & Low reading samples were performed to test the linearity of the results - found okay.

Report sign off details:

Prepared , Reviewed and approved by:	<i>Karuna</i> <i>Dr Rakshi</i>		KARUNA JADHAV
Name:	Mr. Abhishek Reshamwala		DR RAKSHI PATEAK
Title: Sr. Service Engineer	Sign:		Date:
	<i>Abhishek</i>		15.09.2020

Deviation: No Deviation Found.

Conclusion: Instrument has been qualified for Performance.



Analog Healthcare Private Limited

QUALITY CONTROL VALUE SHEET

LEVEL : LOW

Lot no.: 11980821 (Expiry date: 15.11.2020)

<u>PARAMETER</u>	<u>TARGET VALUE</u>	<u>LOW VALUE</u>	<u>HIGH VALUE</u>	<u>OBSERVED VALUE</u>
WBC	3.5	3.1	3.9	3.3
RBC	2.35	2.23	2.47	2.39
HB	6	6.3	5.7	5.9
HCT	17.4	15.9	18.9	17.1
MCV	74	69.6	78.4	71.5
MCH	25.5	24	27	24.7
MCHC	34.5	31.7	37.3	34.5
PLT	62	43	81	65
LYM%	19	15.2	22.8	18.2
MONO%	10.7	7.5	13.9	12.5
NEU%	70.3	59.8	80.8	69.3
RDW-CV	12.2	9.8	14.6	12.1
PDW	8.4	6.7	10.1	8.7
MPV	9.2	8.3	10.1	9.2
PCT	0.06	0.03	0.09	0.06





Analog Healthcare Private Limited

QUALITY CONTROL VALUE SHEET

LEVEL : MEDIUM

Lot no.: 11980822 (Expiry date: 15.11.2020)

<u>PARAMETER</u>	<u>TARGET VALUE</u>	<u>LOW VALUE</u>	<u>HIGH VALUE</u>	<u>OBSERVED VALUE</u>
WBC	7.1	6.6	7.6	7.4
RBC	4.4	4.22	4.58	4.5
HB	13.3	12.9	13.7	13.2
HCT	36.7	33.9	39.5	36.4
MCV	83.4	79.2	87.6	80.9
MCH	30.2	28.5	31.9	29.3
MCHC	36.2	33.7	38.7	36.3
PLT	243	207	279	244
LYM%	31.8	27	36.6	31.4
MONO%	10.7	8.8	13.4	12.2
NEU%	57.5	53.5	61.5	56.4
RDW-CV	9.3	7.9	10.7	10
PDW	8.2	7.4	9	8.5
MPV	9.2	8.3	9.9	9.1
PCT	0.22	0.13	0.31	0.22



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Analog Healthcare Private Limited

QUALITY CONTROL VALUE SHEET

LEVEL : HIGH

Lot no.: 11980823 (Expiry date: 15.11.2020)

PARAMETER	TARGET VALUE	LOW VALUE	HIGH VALUE	OBSERVED VALUE
WBC	18	16.7	19.3	17.8
RBC	5.28	5.07	5.49	5.4
HB	16.7	16.1	17.3	16.4
HCT	46	42.5	49.5	46
MCV	87.1	82.7	91.5	85.2
MCH	31.6	29.9	33.3	30.4
MCHC	36.3	33.8	38.8	35.7
PLT	567	493	641	579
LYM%	36.2	30.8	41.6	34.1
MONO%	15.7	11.8	19.6	17.9
NEU%	48.1	44.7	51.5	48
RDW-CV	9.9	8.4	11.4	10.4
PDW	8.3	7.5	9.1	8.3
MPV	9.2	8.5	9.9	9.2
PCT	0.52	0.3	0.74	0.53



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Low control

File 1
LotID 12820821
EXP. 2020/10/31

Date 15/09/2020
Time 13:51

WBC	3.7 ×10 ⁹ /μL
RBC	2.44 ×10 ⁶ /μL
HGB	6.5 g/dL
HCT	18.3 %
MCV	75.0 fL
MCH	26.6 pg
MCHC	35.5 g/dL
PLT	69 ×10 ³ /μL
LYM%	19.9 %
MXD%	11.0 %
NEUT%	69.1 %
LYM#	0.7 ×10 ⁹ /μL
MXD#	0.4 ×10 ⁹ /μL
NEUT#	2.6 ×10 ⁹ /μL
W-SMV	46.6 fL
W-LMV	175.9 fL
RDW-SD	35.1 fL
RDW-CV	11.4 %
PDW	10.0 fL
MPV	9.6 fL
P-LCR	20.3 %
PCT	0.07 %

Normal control

File 5
LotID 11980822
EXP. 2020/10/23

Date 15/09/2020
Time 10:34

WBC	7.4 ×10 ⁹ /μL
RBC	4.50 ×10 ⁶ /μL
HGB	13.2 g/dL
HCT	36.4 %
MCV	80.9 fL
MCH	29.3 pg
MCHC	36.3 g/dL
PLT	244 ×10 ³ /μL
LYM%	31.4 %
MXD%	12.2 %
NEUT%	56.4 %
LYM#	2.3 ×10 ⁹ /μL
MXD#	0.9 ×10 ⁹ /μL
NEUT#	4.2 ×10 ⁹ /μL
W-SMV	47.6 fL
W-LMV	193.3 fL
RDW-SD	34.1 fL
RDW-CV	10.0 %
PDW	8.5 fL
MPV	9.1 fL
P-LCR	13.7 %
PCT	0.22 %

High control

File 6
LotID 11980823
EXP. 2020/10/23

Date 15/09/2020
Time 10:36

WBC	17.8 ×10 ⁹ /μL
RBC	5.40 ×10 ⁶ /μL
HGB	16.4 g/dL
HCT	46.0 %
MCV	85.2 fL
MCH	30.4 pg
MCHC	35.7 g/dL
PLT	579 ×10 ³ /μL
LYM%	34.1 %
MXD%	17.9 %
NEUT%	48.0 %
LYM#	6.1 ×10 ⁹ /μL
MXD#	3.2 ×10 ⁹ /μL
NEUT#	8.5 ×10 ⁹ /μL
W-SMV	47.9 fL
W-LMV	192.7 fL
RDW-SD	36.2 fL
RDW-CV	10.4 %
PDW	8.3 fL
MPV	9.2 fL
P-LCR	13.8 %
PCT	0.53 %

PERFORMED BY: MR ABHISHEK

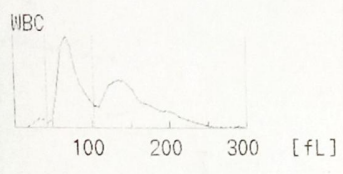
Abh
15/9/20

CHECKED BY: MS KARENA JADHAV

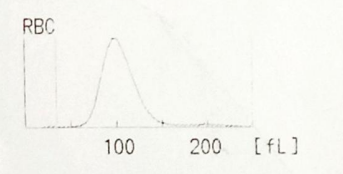
Karena
15/9/20

SIDDHESH
 Date 15/09/2020
 Time 22:01
 Mode WB

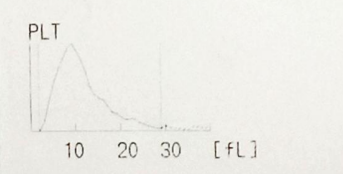
WBC 5.2 $\times 10^3/\mu\text{L}$
 RBC + 5.66 $\times 10^6/\mu\text{L}$
 HGB 15.9 g/dL
 HCT + 55.9 %
 MCV 98.8 fL
 MCH 28.1 pg
 MCHC - 28.4 g/dL
 PLT 212 $\times 10^3/\mu\text{L}$



LYM% 43.4 %
 MXD% T2 --- -- %
 NEUT% T2 --- -- %
 LYM# 2.3 $\times 10^3/\mu\text{L}$
 MXD# T2 --- -- $\times 10^3/\mu\text{L}$
 NEUT# T2 --- -- $\times 10^3/\mu\text{L}$



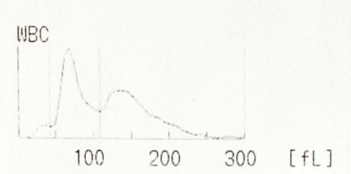
RDW-SD 47.4 fL
 RDW-CV 11.8 %



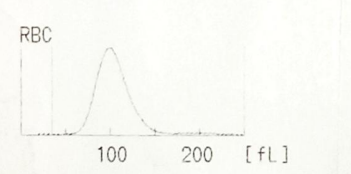
PDW 15.9 fL
 MPV 11.3 fL
 P-LCR 35.6 %
 PCT 0.24 %

ID. SIDDHESH.2
 Date 15/09/2020
 Time 22:03
 Mode WB

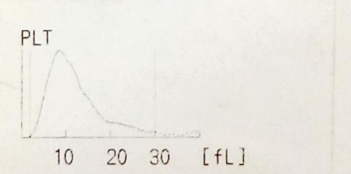
WBC 5.6 $\times 10^3/\mu\text{L}$
 RBC + 5.69 $\times 10^6/\mu\text{L}$
 HGB 16.0 g/dL
 HCT + 56.1 %
 MCV 98.6 fL
 MCH 28.1 pg
 MCHC - 28.5 g/dL
 PLT 215 $\times 10^3/\mu\text{L}$



LYM% 43.6 %
 MXD% T2 --- -- %
 NEUT% T2 --- -- %
 LYM# 2.4 $\times 10^3/\mu\text{L}$
 MXD# T2 --- -- $\times 10^3/\mu\text{L}$
 NEUT# T2 --- -- $\times 10^3/\mu\text{L}$



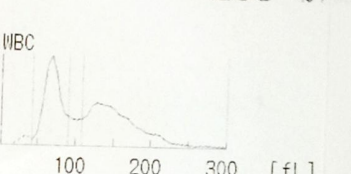
RDW-SD 49.3 fL
 RDW-CV 11.7 %



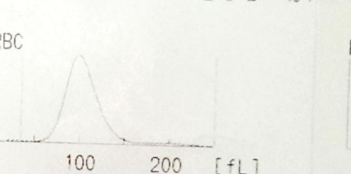
PDW 15.2 fL
 MPV 11.8 fL
 P-LCR 38.8 %
 PCT 0.25 %

ID. SIDDHESH.3
 Date 15/09/2020
 Time 22:05
 Mode WB

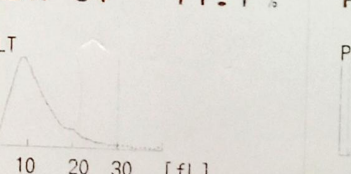
WBC 5.4 $\times 10^3/\mu\text{L}$
 RBC + 5.74 $\times 10^6/\mu\text{L}$
 HGB 16.2 g/dL
 HCT + 56.5 %
 MCV 98.4 fL
 MCH 28.2 pg
 MCHC - 28.7 g/dL
 PLT 209 $\times 10^3/\mu\text{L}$



LYM% 36.9 %
 MXD% 7.8 %
 NEUT% 55.3 %
 LYM# 2.0 $\times 10^3/\mu\text{L}$
 MXD# 0.4 $\times 10^3/\mu\text{L}$
 NEUT# 3.0 $\times 10^3/\mu\text{L}$



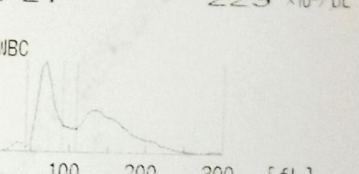
RDW-SD 48.2 fL
 RDW-CV 11.7 %



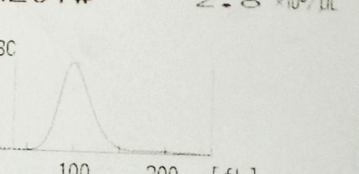
PDW 17.0 fL
 MPV 11.5 fL
 P-LCR 37.5 %
 PCT 0.24 %

ID. SIDDHESH.4
 Date 15/09/2020
 Time 22:06
 Mode WB

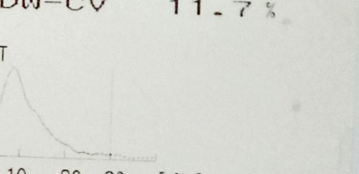
WBC 5.2 $\times 10^3/\mu\text{L}$
 RBC + 5.72 $\times 10^6/\mu\text{L}$
 HGB 16.2 g/dL
 HCT + 56.2 %
 MCV 98.3 fL
 MCH 28.3 pg
 MCHC - 28.8 g/dL
 PLT 229 $\times 10^3/\mu\text{L}$



LYM% 39.0 %
 MXD% 7.3 %
 NEUT% 53.7 %
 LYM# 2.0 $\times 10^3/\mu\text{L}$
 MXD# 0.4 $\times 10^3/\mu\text{L}$
 NEUT# 2.8 $\times 10^3/\mu\text{L}$



RDW-SD 48.4 fL
 RDW-CV 11.7 %



PDW 14.9 fL
 MPV 11.4 fL
 P-LCR 36.3 %
 PCT 0.26 %

PERFORMED BY: MR ARSHI SHUKLA

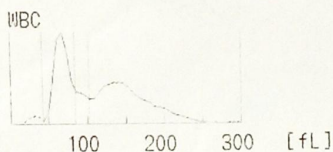
Arshi
 15/9/20

CHECKED BY: MS KARUNA TASHAU

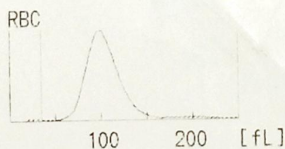
Karuna
 15/9/20

ID. SIDDHESH.5
Date 15/09/2020
Time 22:07
Mode WB

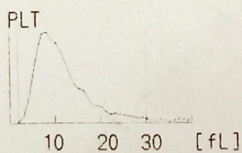
WBC $5.0 \times 10^3/\mu\text{L}$
RBC + $5.66 \times 10^6/\mu\text{L}$
HGB 16.2 g/dL
HCT + 55.5 %
MCV 98.1 fL
MCH 28.6 pg
MCHC - 29.2 g/dL
PLT $223 \times 10^3/\mu\text{L}$



LYM% 35.8 %
MXD% 8.6 %
NEUT% 55.6 %
LYM# $1.8 \times 10^3/\mu\text{L}$
MXD# $0.4 \times 10^3/\mu\text{L}$
NEUT# $2.8 \times 10^3/\mu\text{L}$



RDW-SD 47.3 fL
RDW-CV 11.5 %



PDW 14.7 fL
MPV 11.4 fL
P-LCR 36.1 %
PCT 0.25 %

PERFORMED BY : MR ABHINAV

Abhinav
15/9/20

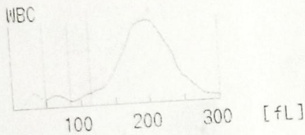
CHECKED BY : MS KARUNA SARDAR.

Karuna
15/9/20

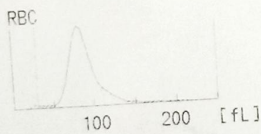
HIGH VALUE SAMPLE

ID. SHANTI_01
Date 15/09/2020
Time 11:34
Mode WB

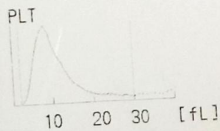
WBC + 22.0 $\times 10^3/\mu\text{L}$
RBC 3.84 $\times 10^6/\mu\text{L}$
HGB 10.4 g/dL
HCT 32.5 %
MCV - 84.6 fL
MCH 27.1 pg
MCHC 32.0 g/dL
PLT 358 $\times 10^3/\mu\text{L}$



LYM% - 4.3 %
MXD% 3.3 %
NEUT% 92.4 %
LYM# 0.9 $\times 10^3/\mu\text{L}$
MXD# 0.7 $\times 10^3/\mu\text{L}$
NEUT# 20.4 $\times 10^3/\mu\text{L}$



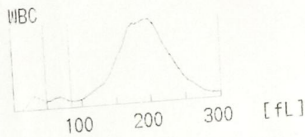
RDW-SD 42.1 fL
RDW-CV 12.8 %



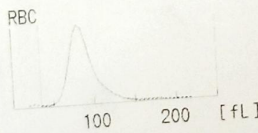
PDW 13.1 fL
MPV 11.0 fL
P-LCR 31.5 %
PCT + 0.39 %

ID. SHANTI_02
Date 15/09/2020
Time 11:35
Mode WB

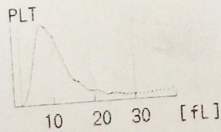
WBC + 21.6 $\times 10^3/\mu\text{L}$
RBC 3.87 $\times 10^6/\mu\text{L}$
HGB 10.8 g/dL
HCT 33.1 %
MCV - 85.5 fL
MCH 27.9 pg
MCHC 32.6 g/dL
PLT 354 $\times 10^3/\mu\text{L}$



LYM% - 4.0 %
MXD% T2 --- -- %
NEUT% T2 --- -- %
LYM# 0.9 $\times 10^3/\mu\text{L}$
MXD# T2 --- -- $\times 10^3/\mu\text{L}$
NEUT# T2 --- -- $\times 10^3/\mu\text{L}$



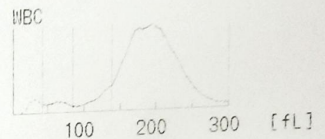
RDW-SD 42.1 fL
RDW-CV 12.6 %



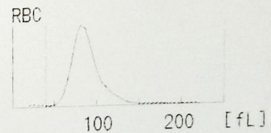
PDW 13.7 fL
MPV 11.2 fL
P-LCR 33.0 %
PCT + 0.40 %

ID. SHANTI_03
Date 15/09/2020
Time 11:37
Mode WB

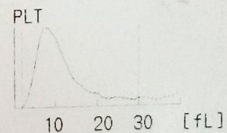
WBC + 20.5 $\times 10^3/\mu\text{L}$
RBC 3.84 $\times 10^6/\mu\text{L}$
HGB 11.0 g/dL
HCT 32.9 %
MCV - 85.7 fL
MCH 28.6 pg
MCHC 33.4 g/dL
PLT 343 $\times 10^3/\mu\text{L}$



LYM% - 4.5 %
MXD% 8.0 %
NEUT% 87.5 %
LYM# 0.9 $\times 10^3/\mu\text{L}$
MXD# 1.6 $\times 10^3/\mu\text{L}$
NEUT# 18.0 $\times 10^3/\mu\text{L}$



RDW-SD 42.3 fL
RDW-CV 13.0 %



PDW 14.3 fL
MPV 11.4 fL
P-LCR 33.9 %
PCT + 0.39 %

PERFORMED BY : MR ABHINAV

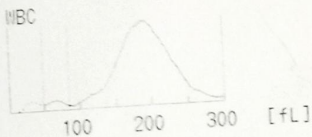
AB
15/9/20

CHECKED BY : MS RARUNTA JADOLAN

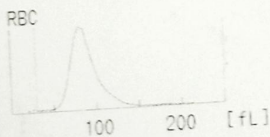
Rarunta
15/9/20

ID. SHANTI_04
 Date 15/03/2020
 Time 11:38
 Mode WB

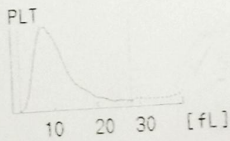
WBC + 22.2 $\times 10^3/\mu\text{L}$
 RBC 3.82 $\times 10^6/\mu\text{L}$
 HGB 10.6 g/dL
 HCT 32.5 %
 MCV - 85.1 fL
 MCH 27.7 pg
 MCHC 32.6 g/dL
 PLT 350 $\times 10^3/\mu\text{L}$



LYM% - 3.5 %
 MXD% T2 --- . - %
 NEUT% T2 --- . - %
 LYM# 0.8 $\times 10^3/\mu\text{L}$
 MXD# T2 --- . - $\times 10^3/\mu\text{L}$
 NEUT# T2 --- . - $\times 10^3/\mu\text{L}$



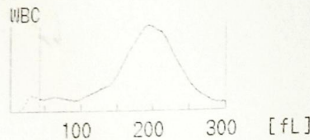
RDW-SD 41.7 fL
 RDW-CV 12.7 %



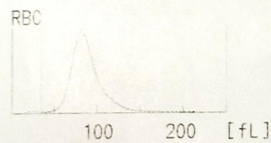
PDW 14.6 fL
 MPV 11.0 fL
 P-LCR 32.3 %
 PCT + 0.38 %

ID. SHANTI_05
 Date 15/09/2020
 Time 11:47
 Mode WB

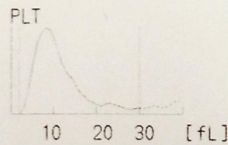
WBC + 22.9 $\times 10^3/\mu\text{L}$
 RBC 3.82 $\times 10^6/\mu\text{L}$
 HGB 10.6 g/dL
 HCT 32.4 %
 MCV - 84.8 fL
 MCH 27.7 pg
 MCHC 32.7 g/dL
 PLT 359 $\times 10^3/\mu\text{L}$



LYM% T1 --- . - %
 MXD% T1 --- . - %
 NEUT% T1 --- . - %
 LYM# T1 --- . - $\times 10^3/\mu\text{L}$
 MXD# T1 --- . - $\times 10^3/\mu\text{L}$
 NEUT# T1 --- . - $\times 10^3/\mu\text{L}$



RDW-SD 41.4 fL
 RDW-CV 12.7 %



PDW 13.9 fL
 MPV 11.2 fL
 P-LCR 33.4 %
 PCT 0.40 %

PERFORMED BY : MR ABHISAK

Abhisak
 15/9/20

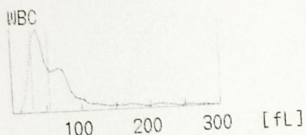
CHECKED BY : MS KARENSA SARDAN

Karensa
 15/9/20

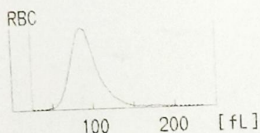
LOW VALUE SAMPLE

ID. ASHWINI
Date 15/09/2020
Time 22:10
Mode WB

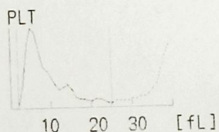
WBC WL* $3.8 \times 10^3/\mu\text{L}$
RBC $3.89 \times 10^6/\mu\text{L}$
HGB * 10.8 g/dL
HCT 35.0%
MCV 90.0 fL
MCH * 27.8 pg
MCHC * 30.9 g/dL
PLT * $33 \times 10^3/\mu\text{L}$



LYM% WL* 40.9%
MXD% WL ----. -- %
NEUT% WL ----. -- %
LYM# WL* $1.6 \times 10^3/\mu\text{L}$
MXD# WL ----. -- $\times 10^3/\mu\text{L}$
NEUT# WL ----. -- $\times 10^3/\mu\text{L}$



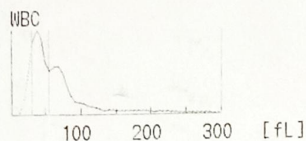
RDW-SD 47.3 fL
RDW-CV 13.6 %



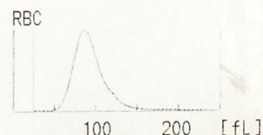
PDW * 13.0 fL
MPV * 9.1 fL
P-LCR * 25.0 %
PCT * 0.03 %

ID. ASHWINI.2
Date 15/09/2020
Time 22:11
Mode WB

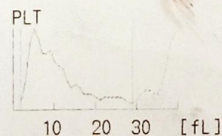
WBC WL* $3.8 \times 10^3/\mu\text{L}$
RBC $3.91 \times 10^6/\mu\text{L}$
HGB * 10.8 g/dL
HCT 34.9%
MCV 89.3 fL
MCH * 27.6 pg
MCHC * 30.9 g/dL
PLT PL* $33 \times 10^3/\mu\text{L}$



LYM% WL* 41.2%
MXD% WL ----. -- %
NEUT% WL ----. -- %
LYM# WL* $1.6 \times 10^3/\mu\text{L}$
MXD# WL ----. -- $\times 10^3/\mu\text{L}$
NEUT# WL ----. -- $\times 10^3/\mu\text{L}$



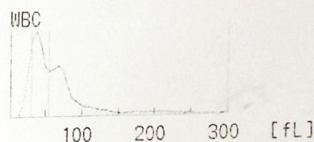
RDW-SD 48.3 fL
RDW-CV 13.6 %



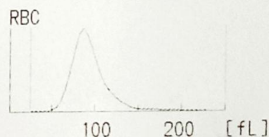
PDW PL* 14.9 fL
MPV PL* 10.8 fL
P-LCR PL* 33.2 %
PCT PL* 0.04 %

ID. ASHWINI.3
Date 15/09/2020
Time 22:13
Mode WB

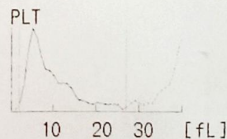
WBC WL* $3.7 \times 10^3/\mu\text{L}$
RBC $3.90 \times 10^6/\mu\text{L}$
HGB * 10.9 g/dL
HCT 34.9%
MCV 89.5 fL
MCH * 27.9 pg
MCHC * 31.2 g/dL
PLT PL* $35 \times 10^3/\mu\text{L}$



LYM% WL* 41.5%
MXD% WL ----. -- %
NEUT% WL ----. -- %
LYM# WL* $1.5 \times 10^3/\mu\text{L}$
MXD# WL ----. -- $\times 10^3/\mu\text{L}$
NEUT# WL ----. -- $\times 10^3/\mu\text{L}$



RDW-SD 47.7 fL
RDW-CV 13.6 %



PDW PL* 12.9 fL
MPV PL* 9.6 fL
P-LCR PL* 27.4 %
PCT PL* 0.03 %

PERFORMED BY: MR ABHISHEK

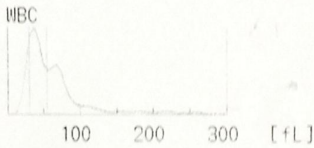
ABH
15/9/2020

CHECKED BY: MS KARUNA JARDHAN

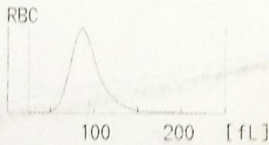
Karuna
15/9/20

ID. ASHWINI.4
Date 15/09/2020
Time 22:14
Mode WB

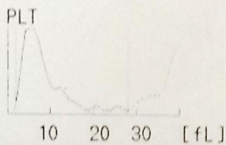
WBC WL* 3.6 $\times 10^3/\mu\text{L}$
RBC 3.91 $\times 10^6/\mu\text{L}$
HGB * 10.9 g/dL
HCT 34.8 %
MCV 89.0 fL
MCH * 27.9 pg
MCHC * 31.3 g/dL
PLT PL* 32 $\times 10^3/\mu\text{L}$



LYM% WL* 43.5 %
MXD% WL ---- . - %
NEUT% WL ---- . - %
LYM# WL* 1.6 $\times 10^3/\mu\text{L}$
MXD# WL ---- . - $\times 10^3/\mu\text{L}$
NEUT# WL ---- . - $\times 10^3/\mu\text{L}$



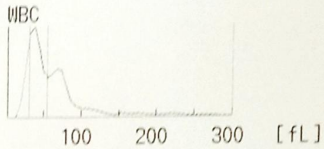
RDW-SD 46.3 fL
RDW-CV 13.7 %



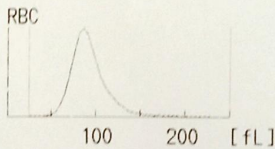
PDW PL* 12.0 fL
MPV PL* 8.9 fL
P-LCR PL* 21.9 %
PCT PL* 0.03 %

ID. ASHWINI.5
Date 15/09/2020
Time 22:15
Mode WB

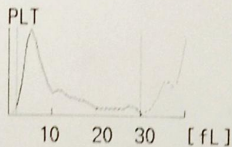
WBC WL* 3.6 $\times 10^3/\mu\text{L}$
RBC 3.89 $\times 10^6/\mu\text{L}$
HGB * 10.8 g/dL
HCT 34.7 %
MCV 89.2 fL
MCH * 27.8 pg
MCHC * 31.1 g/dL
PLT PL* 34 $\times 10^3/\mu\text{L}$



LYM% WL* 42.4 %
MXD% WL ---- . - %
NEUT% WL ---- . - %
LYM# WL* 1.5 $\times 10^3/\mu\text{L}$
MXD# WL ---- . - $\times 10^3/\mu\text{L}$
NEUT# WL ---- . - $\times 10^3/\mu\text{L}$



RDW-SD 47.6 fL
RDW-CV 13.9 %



PDW PL* 13.3 fL
MPV PL* 10.3 fL
P-LCR PL* 31.1 %
PCT PL* 0.03 %

PERFORMED BY: MR ABHISHEK ABL
15/9/20

CHECKED BY: MS KARUNA JADHAV
Kanj 15/9/20



Analog Healthcare Private Limited

CALIBRATION CERTIFICATE

CERTIFICATE ID: 0011-2021

Customer: Microcraft Pathology

Analyzer: Haematology

Model: XP100

Serial No.: B3845

This is to certify that XP100, viz., a 3 Part Haematology Analyzer, has been inspected and calibrated successfully on **2nd Nov, 2021**.

The calibration process followed were in accordance with the standard calibration procedure provided by Sysmex Corporation, Japan.

The calibration process is as follows:

- Blank check
- Precision check
- Calibration data
- Quality control

Next calibration due on: 2nd May, 2022

Performed by:

Date: 02.11.2021



Abhishek Reshamwala,
Sr. Service Engineer,
Analog Healthcare Pvt. Ltd.



Analog Healthcare Private Limited

<u>BLANK CHECK</u>		
PARAMETERS	RESULT	RANGE
WBC	0.0	0 - 0.3 x 10 ³ /uL
RBC	0.0	0 - 0.2 x 10 ⁶ /uL
HB	0.0	0 - 0.1 g/dL
PLT	0	0 - 10 x 10 ³ /uL



Analog Healthcare Private Limited

PRECISION CHECK

(SAME SAMPLE RUN 10 TIMES)

PARAMETERS	WBC	RBC	HB	HCT	PLT
1	9.2	4.56	12.1	40.8	403
2	9.4	4.59	12.2	41	407
3	9.3	4.64	12.3	41.4	404
4	9.3	4.65	12.2	41.3	409
5	9.5	4.63	12.2	41.1	413
6	9.8	4.68	12.4	41.5	414
7	9.3	4.62	12.3	41	406
8	9.5	4.63	12.3	41.1	393
9	9.6	4.7	12.4	31.7	419
10	9.6	4.71	12.5	41.9	419
MEAN	9.45	4.641	12.29	40.28	408.7
SD	0.174642	0.044373	0.113578	2.875343	7.550497
CV	1.848069	0.956118	0.924151	7.13839	1.847442



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Analog Healthcare Private Limited

CALIBRATION DATA

The calibrator values were all found in acceptable range. The repeatability of the results were also found to be viable as the calibrator was run 5 times. The analyzer was calibrated using the following calibrator and details of the same is provided in table 1.0,

Calibrator : SCS-1000

Lot. No. : 12780525

Expiry : 11/2021

Parameters	1	2	3	4	5	Mean	Target	Range
WBC	6.8	6.7	6.8	6.8	6.6	6.75	7.06	6.75 -7.36
RBC	4.38	4.43	4.44	4.45	4.45	4.43	4.344	4.258 - 4.431
HBG	11.8	11.8	11.8	11.8	11.8	11.8	11.83	11.72 - 11.95
HCT	32.5	32.8	32.9	32.9	32.9	32.8	32.75	32.03 - 33.48
PLT	236	263	259	265	268	263.6	261.7	248.6 - 274.8

TABLE: 1.0

CALIBRATION FACTORS

Parameters	Before Calibration	After Calibration
WBC	103.7	103.7
RBC	104.6	104.6
HGB	101.1	103.0
HCT	100.0	101.2
PLT	108.0	105.0





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QUALITY CONTROL VALUE SHEET				
LEVEL : LOW				
Lot no.: 12820821 (Expiry date: 15.01.2022)				
PARAMETER	TARGET VALUE	LOW VALUE	HIGH VALUE	OBSERVED VALUE
WBC	3.5	3.1	3.9	3.7
RBC	2.35	2.22	2.46	2.42
HB	6.3	6	6.6	6.3
HCT	17.8	16.3	19.3	17.7
MCV	76.1	71.5	80.7	73.1
MCH	26.9	25.3	28.5	26
MCHC	35.4	32.6	38.2	35.6
PLT	59	41	77	64
LYM%	19.4	15.5	23.3	18.3
MXD%	11.5	8	15	12.5
NEU%	69.1	58.7	79.5	69.2
RDW-CV	10.2	8.2	12.2	10.9
RDW-SD	33.2	26.6	39.8	32.8
PDW	9.4	7.5	11.3	9.9
MPV	9.8	8.8	10.8	9
PCT	0.06	0.03	0.09	0.06



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QUALITY CONTROL VALUE SHEET				
LEVEL : MEDIUM				
Lot no.: 12820822 (Expiry date: 15.01.2022)				
PARAMETER	TARGET VALUE	LOW VALUE	HIGH VALUE	OBSERVED VALUE
WBC	7.1	6.6	7.6	6.8
RBC	4.4	4.22	4.58	4.43
HB	13.1	12.7	13.5	12.8
HCT	35.9	33.2	38.6	34.9
MCV	81.6	77.5	85.7	78.8
MCH	29.8	28.2	31.4	28.9
MCHC	36.5	33.9	39.1	36.7
PLT	235	200	270	225
LYM%	30.9	26.3	35.5	27.9
MXD%	10.7	8	13.4	13.3
NEU%	58.4	54.3	62.5	58.8
RDW-CV	8.6	7.3	9.9	9.5
RDW-SD	31.4	26.7	36.1	32.1
PDW	9.2	8.3	10.1	9
MPV	9.6	8.8	10.4	9.4
PCT	0.23	0.13	0.33	0.21

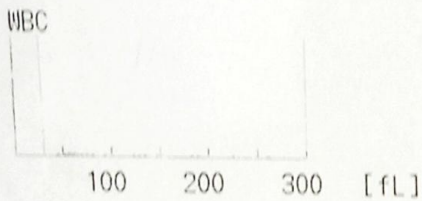


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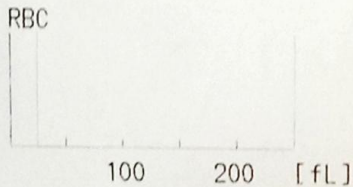
QUALITY CONTROL VALUE SHEET				
LEVEL : HIGH				
Lot no.: 12820823 (Expiry date: 15.01.2022)				
PARAMETER	TARGET VALUE	LOW VALUE	HIGH VALUE	OBSERVED VALUE
WBC	17.9	16.6	19.2	17.1
RBC	5.28	5.07	5.49	5.3
HB	16.7	16.1	17.3	16.3
HCT	45.5	42.2	49	44.1
MCV	86.4	82.1	90.7	83.2
MCH	31.6	29.9	33.3	30.8
MCHC	36.6	34	39.2	37
PLT	562	489	635	512
LYM%	35.9	30.5	41.3	34.8
MXD%	16.5	12.4	20.6	17.4
NEU%	47.6	44.3	50.9	47.8
RDW-CV	9.2	7.8	10.6	10
RDW-SD	33.7	28.6	38.8	34
PDW	9.2	8.3	10.1	9.4
MPV	9.7	8.9	10.5	9.7
PCT	0.55	0.31	0.79	0.5

ID. BLANK1
Date 02/11/2021
Time 11:18
Mode WB

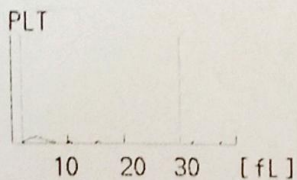
WBC 0.0 $\times 10^3/\mu\text{L}$
RBC 0.00 $\times 10^6/\mu\text{L}$
HGB 0.0 g/dL
HCT 0.0 %
MCV ----- fl
MCH ----- pg
MCHC ----- g/dL
PLT 0 $\times 10^3/\mu\text{L}$



LYM% ----- %
MXD% ----- %
NEUT% ----- %
LYM# ----- $\times 10^3/\mu\text{L}$
MXD# ----- $\times 10^3/\mu\text{L}$
NEUT# ----- $\times 10^3/\mu\text{L}$



RDW-SD ----- fl
RDW-CV ----- %



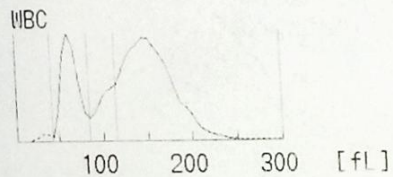
PDW ----- fl
MPV ----- fl
P-LCR ----- %
PCT ----- %

PERFORMED BY: Abhishek Reshamwala
Abhishek
2/11/21

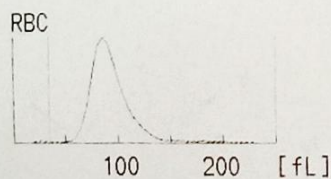
CHECKED BY: *[Signature]*
2/11/21

ID. FATIMA1
Date 02/11/2021
Time 11:21
Mode WB

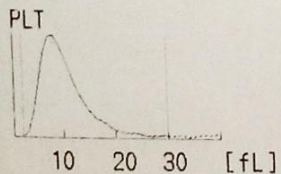
WBC $9.2 \times 10^3/\mu\text{L}$
RBC $4.56 \times 10^6/\mu\text{L}$
HGB 12.1 g/dL
HCT 40.8 %
MCV 89.5 fL
MCH 26.5 pg
MCHC - 29.7 g/dL
PLT + 403 $\times 10^3/\mu\text{L}$



LYM% 23.7 %
MXD% F2* 12.1 %
NEUT% F3* 64.2 %
LYM# $2.2 \times 10^3/\mu\text{L}$
MXD# F2* $1.1 \times 10^3/\mu\text{L}$
NEUT# F3* $5.9 \times 10^3/\mu\text{L}$



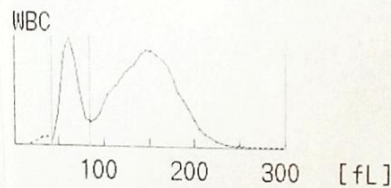
RDW-SD 40.9 fL
RDW-CV 11.4 %



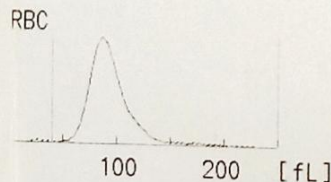
PDW 12.6 fL
MPV 10.4 fL
P-LCR 27.6 %
PCT + 0.42 %

ID. FATIMA2
Date 02/11/2021
Time 11:23
Mode WB

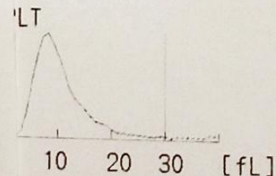
WBC $9.4 \times 10^3/\mu\text{L}$
RBC $4.59 \times 10^6/\mu\text{L}$
HGB 12.2 g/dL
HCT 41.0 %
MCV 89.3 fL
MCH 26.6 pg
MCHC - 29.8 g/dL
PLT + 407 $\times 10^3/\mu\text{L}$



LYM% 23.7 %
MXD% T2 --- . - %
NEUT% T2 --- . - %
LYM# $2.2 \times 10^3/\mu\text{L}$
MXD# T2 --- . - $\times 10^3/\mu\text{L}$
NEUT# T2 --- . - $\times 10^3/\mu\text{L}$



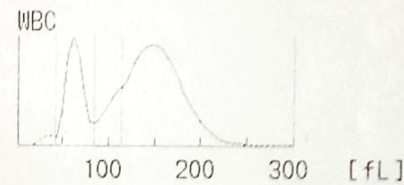
RDW-SD 41.8 fL
RDW-CV 11.4 %



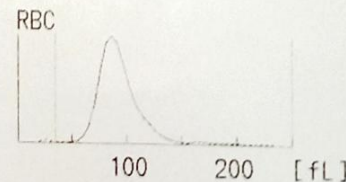
PDW 12.8 fL
IPV 10.4 fL
P-LCR 27.8 %
PCT + 0.42 %

ID. FATIMA3
Date 02/11/2021
Time 11:26
Mode WB

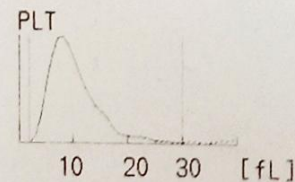
WBC $9.3 \times 10^3/\mu\text{L}$
RBC $4.64 \times 10^6/\mu\text{L}$
HGB 12.3 g/dL
HCT 41.4 %
MCV 89.2 fL
MCH 26.5 pg
MCHC - 29.7 g/dL
PLT + 404 $\times 10^3/\mu\text{L}$



LYM% 23.8 %
MXD% F2* 12.0 %
NEUT% F3* 64.2 %
LYM# $2.2 \times 10^3/\mu\text{L}$
MXD# F2* $1.1 \times 10^3/\mu\text{L}$
NEUT# F3* $6.0 \times 10^3/\mu\text{L}$



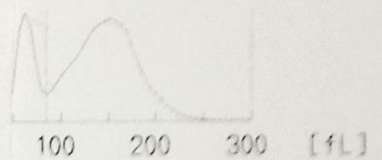
RDW-SD 42.0 fL
RDW-CV 11.5 %



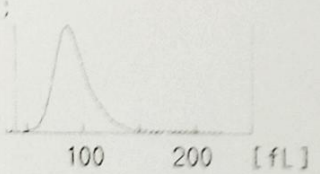
PDW 13.2 fL
MPV 10.2 fL
P-LCR 27.3 %
PCT + 0.41 %

ID. FATIMA4
Date 02/11/2021
Time 11:29
Mode WB

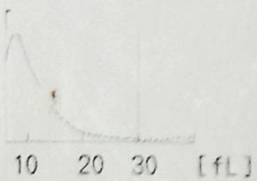
WBC $9.3 \times 10^3/\mu\text{L}$
RBC $4.65 \times 10^6/\mu\text{L}$
HGB 12.2 g/dL
HCT 41.3 %
MCV 88.8 fL
MCH 26.2 pg
MCHC - 29.5 g/dL
PLT + 403 $\times 10^3/\mu\text{L}$



LYM% 23.7 %
MXD% T2 --- . - %
NEUT% T2 --- . - %
LYM# $2.2 \times 10^3/\mu\text{L}$
MXD# T2 --- . - $\times 10^3/\mu\text{L}$
NEUT# T2 --- . - $\times 10^3/\mu\text{L}$



RDW-SD 41.8 fL
RDW-CV 11.6 %



PDW 13.1 fL
MPV 10.4 fL
P-LCR 28.2 %
PCT + 0.43 %

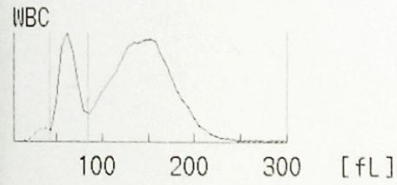
PERFORMED BY: Abhishek Reshamwala
2/11/21

CHECKED BY: KARUNA SARDNA

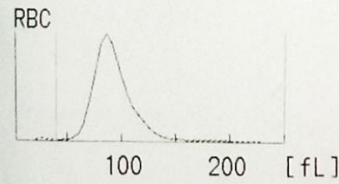
Karuna
2/11/21

ID. FATIMA6
Date 02/11/2021
Time 11:47
Mode WB

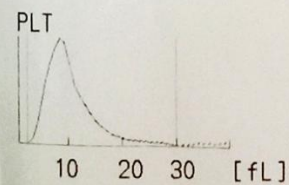
WBC $9.8 \times 10^3/\mu\text{L}$
RBC $4.68 \times 10^6/\mu\text{L}$
HGB 12.4 g/dL
HCT 41.5 %
MCV 88.7 fL
MCH 26.5 pg
MCHC - 29.9 g/dL
PLT + 414 $\times 10^3/\mu\text{L}$



LYM% 23.6 %
MXD% T2 --- . - %
NEUT% T2 --- . - %
LYM# $2.3 \times 10^3/\mu\text{L}$
MXD# T2 --- . - $\times 10^3/\mu\text{L}$
NEUT# T2 --- . - $\times 10^3/\mu\text{L}$



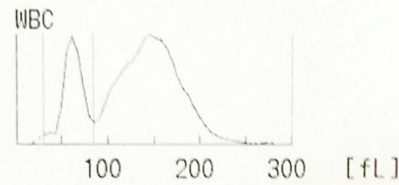
RDW-SD 42.1 fL
RDW-CV 11.6 %



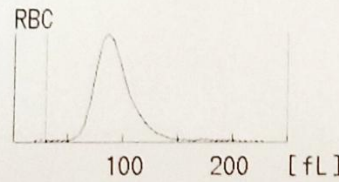
PDW 12.2 fL
MPV 10.3 fL
P-LCR 27.0 %
PCT + 0.43 %

ID. FATIMA5
Date 02/11/2021
Time 11:31
Mode WB

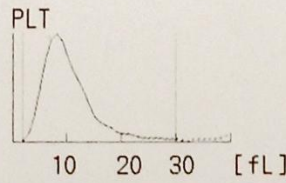
WBC $9.5 \times 10^3/\mu\text{L}$
RBC $4.63 \times 10^6/\mu\text{L}$
HGB 12.2 g/dL
HCT 41.1 %
MCV 88.8 fL
MCH 26.3 pg
MCHC - 29.7 g/dL
PLT + 413 $\times 10^3/\mu\text{L}$



LYM% 23.8 %
MXD% T2 --- . - %
NEUT% T2 --- . - %
LYM# $2.3 \times 10^3/\mu\text{L}$
MXD# T2 --- . - $\times 10^3/\mu\text{L}$
NEUT# T2 --- . - $\times 10^3/\mu\text{L}$



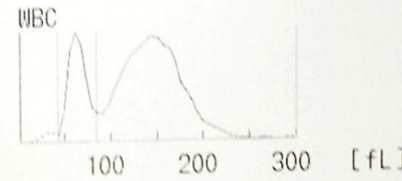
RDW-SD 41.6 fL
RDW-CV 11.7 %



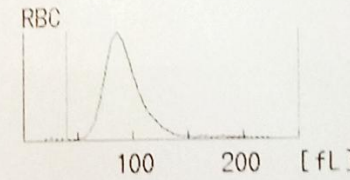
PDW 12.4 fL
MPV 10.4 fL
P-LCR 28.1 %
PCT + 0.43 %

ID. FATIMA7
Date 02/11/2021
Time 11:50
Mode WB

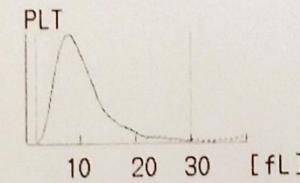
WBC $9.3 \times 10^3/\mu\text{L}$
RBC $4.62 \times 10^6/\mu\text{L}$
HGB 12.3 g/dL
HCT 41.0 %
MCV 88.7 fL
MCH 26.6 pg
MCHC - 30.0 g/dL
PLT + 406 $\times 10^3/\mu\text{L}$



LYM% 24.2 %
MXD% T2 --- . - %
NEUT% T2 --- . - %
LYM# $2.3 \times 10^3/\mu\text{L}$
MXD# T2 --- . - $\times 10^3/\mu\text{L}$
NEUT# T2 --- . - $\times 10^3/\mu\text{L}$



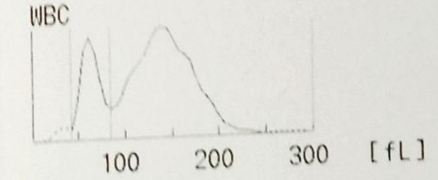
RDW-SD 41.2 fL
RDW-CV 11.5 %



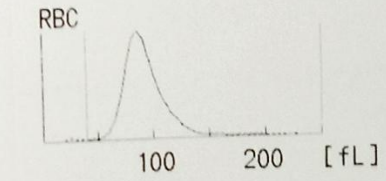
PDW 12.9 fL
MPV 10.4 fL
P-LCR 27.5 %
PCT + 0.42 %

ID. FATIMA8
Date 02/11/2021
Time 11:56
Mode WB

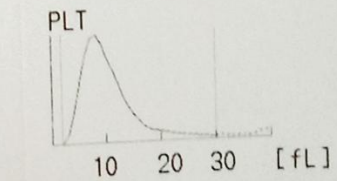
WBC $9.5 \times 10^3/\mu\text{L}$
RBC $4.63 \times 10^6/\mu\text{L}$
HGB 12.3 g/dL
HCT 41.1 %
MCV 88.8 fL
MCH 26.6 pg
MCHC - 29.9 g/dL
PLT 393 $\times 10^3/\mu\text{L}$



LYM% 23.5 %
MXD% T2 --- . - %
NEUT% T2 --- . - %
LYM# $2.2 \times 10^3/\mu\text{L}$
MXD# T2 --- . - $\times 10^3/\mu\text{L}$
NEUT# T2 --- . - $\times 10^3/\mu\text{L}$



RDW-SD 42.6 fL
RDW-CV 11.9 %



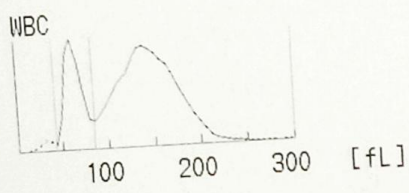
PDW 12.4 fL
MPV 10.4 fL
P-LCR 27.4 %
PCT + 0.41 %

PERFORMED BY: Abhishek Reshamwala
2/11/21

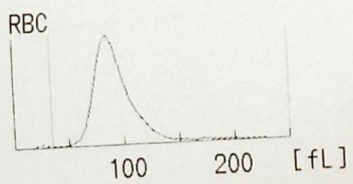
CHECKED BY: KARUNA JAIN
2/11/21

ID. FATIMA9
 Date 02/11/2021
 Time 11:58
 Mode WB

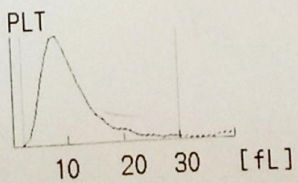
WBC 9.6 $\times 10^3/\mu\text{L}$
 RBC 4.70 $\times 10^6/\mu\text{L}$
 HGB 12.4 g/dL
 HCT 41.7 %
 MCV 88.7 fL
 MCH 26.4 pg
 MCHC - 29.7 g/dL
 PLT + 419 $\times 10^3/\mu\text{L}$



LYM% 24.4 %
 MXD% T2 --- . - %
 NEUT% T2 --- . - %
 LYM# 2.3 $\times 10^3/\mu\text{L}$
 MXD# T2 --- . - $\times 10^3/\mu\text{L}$
 NEUT# T2 --- . - $\times 10^3/\mu\text{L}$



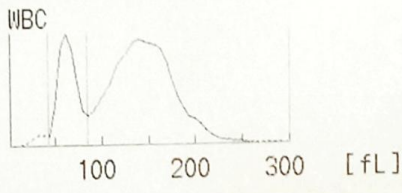
RDW-SD 41.4 fL
 RDW-CV 11.6 %



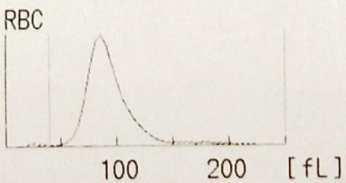
PDW 13.0 fL
 MPV 10.5 fL
 P-LCR 28.8 %
 PCT + 0.44 %

ID. FATIMA10
 Date 02/11/2021
 Time 11:59
 Mode WB

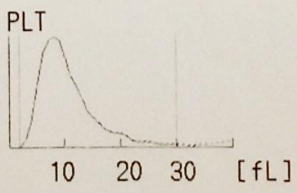
WBC 9.6 $\times 10^3/\mu\text{L}$
 RBC 4.71 $\times 10^6/\mu\text{L}$
 HGB 12.5 g/dL
 HCT 41.9 %
 MCV 89.0 fL
 MCH 26.5 pg
 MCHC - 29.8 g/dL
 PLT + 419 $\times 10^3/\mu\text{L}$



LYM% 24.2 %
 MXD% T2 --- . - %
 NEUT% T2 --- . - %
 LYM# 2.3 $\times 10^3/\mu\text{L}$
 MXD# T2 --- . - $\times 10^3/\mu\text{L}$
 NEUT# T2 --- . - $\times 10^3/\mu\text{L}$



RDW-SD 41.4 fL
 RDW-CV 11.6 %



PDW 13.0 fL
 MPV 10.5 fL
 P-LCR 28.5 %
 PCT + 0.44 %

PERFORMED By: Abhishek Reshanna
 2/11/21

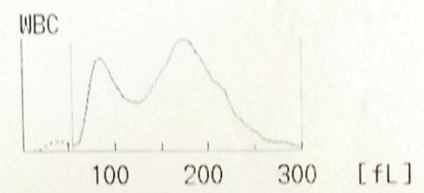
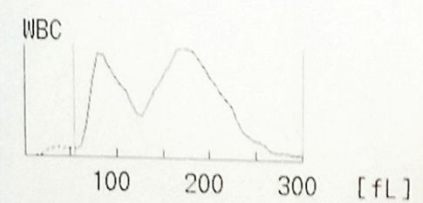
CHECKED BY: KARUNA
 JADHAN
 2/11/21

ID. CL12780525-
 Date 02/11/2021
 Time 12:35
 Mode CL

ID. CL12780525-2
 Date 02/11/2021
 Time 12:36
 Mode CL

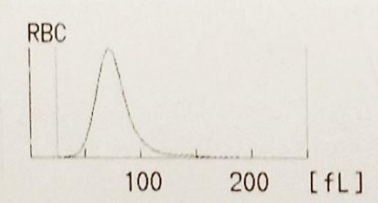
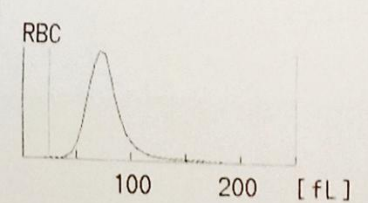
WBC $6.8 \times 10^3/\mu\text{L}$
 RBC $4.38 \times 10^6/\mu\text{L}$
 HGB 11.8 g/dL
 HCT 32.5 %
 MCV --- fL
 MCH --- pg
 MCHC --- g/dL
 PLT $263 \times 10^3/\mu\text{L}$

WBC $6.7 \times 10^3/\mu\text{L}$
 RBC $4.43 \times 10^6/\mu\text{L}$
 HGB 11.8 g/dL
 HCT 32.8 %
 MCV --- fL
 MCH --- pg
 MCHC --- g/dL
 PLT $263 \times 10^3/\mu\text{L}$



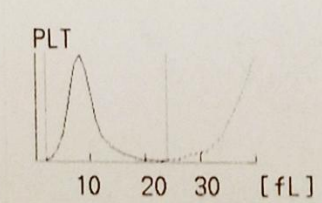
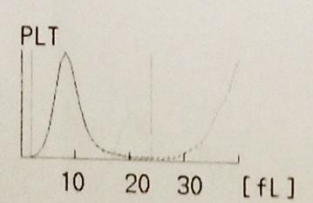
LYM% --- %
 MXD% --- %
 NEUT% --- %
 LYM# --- $\times 10^3/\mu\text{L}$
 MXD# --- $\times 10^3/\mu\text{L}$
 NEUT# --- $\times 10^3/\mu\text{L}$

LYM% --- %
 MXD% --- %
 NEUT% --- %
 LYM# --- $\times 10^3/\mu\text{L}$
 MXD# --- $\times 10^3/\mu\text{L}$
 NEUT# --- $\times 10^3/\mu\text{L}$



RDW-SD --- fL
 RDW-CV --- %

RDW-SD --- fL
 RDW-CV --- %

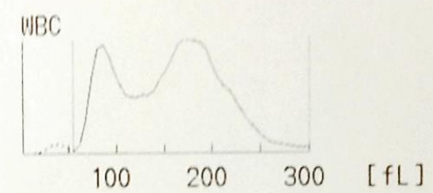


PDW --- fL
 MPV --- fL
 P-LCR --- %
 PCT --- %

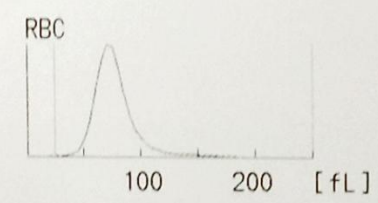
PDW --- fL
 MPV --- fL
 P-LCR --- %
 PCT --- %

ID. CL12780525-3
 Date 02/11/2021
 Time 12:38
 Mode CL

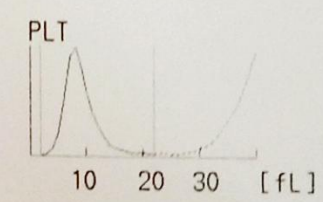
WBC $6.8 \times 10^3/\mu\text{L}$
 RBC $4.44 \times 10^6/\mu\text{L}$
 HGB 11.8 g/dL
 HCT 32.9 %
 MCV --- fL
 MCH --- pg
 MCHC --- g/dL
 PLT $259 \times 10^3/\mu\text{L}$



LYM% --- %
 MXD% --- %
 NEUT% --- %
 LYM# --- $\times 10^3/\mu\text{L}$
 MXD# --- $\times 10^3/\mu\text{L}$
 NEUT# --- $\times 10^3/\mu\text{L}$



RDW-SD --- fL
 RDW-CV --- %



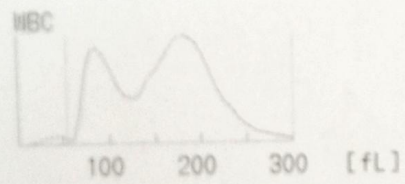
PDW --- fL
 MPV --- fL
 P-LCR --- %
 PCT --- %

PERFORMED BY : Abhishek Reshamwala
 2/11/21

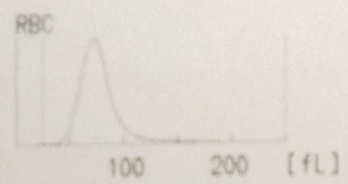
UNCLERIFIED BY : KARUNA SAHAY
 2/11/21

ID. CL12780525-4
Date 02/11/2021
Time 12:39
Mode CL

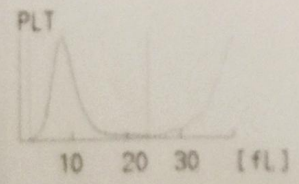
WBC $6.8 \times 10^3/\mu\text{L}$
RBC $4.45 \times 10^6/\mu\text{L}$
HGB 11.8 g/dL
HCT 32.9 %
MCV ----. - fL
MCH ----. - pg
MCHC ----. - g/dL
PLT $265 \times 10^3/\mu\text{L}$



LYM% ----. - %
MXD% ----. - %
NEUT% ----. - %
LYM# ----. - $\times 10^3/\mu\text{L}$
MXD# ----. - $\times 10^3/\mu\text{L}$
NEUT# ----. - $\times 10^3/\mu\text{L}$



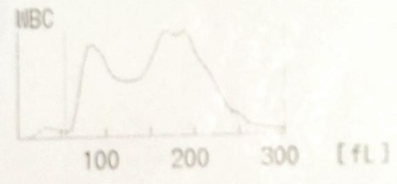
RDW-SD ----. - fL
RDW-CV ----. - %



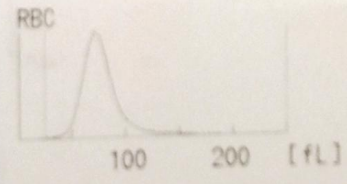
PDW ----. - fL
MPV ----. - fL
P-LCR ----. - %
PCT ----. - %

ID. CL12780525-5
Date 02/11/2021
Time 12:41
Mode CL

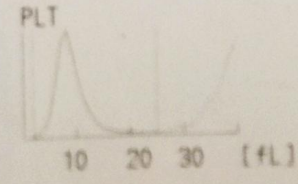
WBC $6.6 \times 10^3/\mu\text{L}$
RBC $4.45 \times 10^6/\mu\text{L}$
HGB 11.8 g/dL
HCT 32.9 %
MCV ----. - fL
MCH ----. - pg
MCHC ----. - g/dL
PLT $268 \times 10^3/\mu\text{L}$



LYM% ----. - %
MXD% ----. - %
NEUT% ----. - %
LYM# ----. - $\times 10^3/\mu\text{L}$
MXD# ----. - $\times 10^3/\mu\text{L}$
NEUT# ----. - $\times 10^3/\mu\text{L}$



RDW-SD ----. - fL
RDW-CV ----. - %



PDW ----. - fL
MPV ----. - fL
P-LCR ----. - %
PCT ----. - %

PERFORMED BY: Abhishek Reshamwala
2/11/21

WORKED BY: KARUNA
2/11/21 JADHAV