INSTALLATION QUALIFICATION

For

TRANSASIA
ERBA ELITE 580
AUTOMATED HEAMATOLOGY ANALYZER

DR. B.LAL CLINICAL LABORATORY PVT. LTD

Manufactured by ERBA MANNHEIM

&

Marketed by:

Transasia Bio-Medicals Ltd.,
Transasia House,
Chandivali Studio road,
Andheri (E),
MUMBAI – 400 072

Table of Contents

I. Approval of the IQ procedure:

DR. B LAL CLINICAL LABORATORY PVT. LTD, HEMATOLOGY Laboratory and Transasia are jointly responsible for the installation of the system ERBA HEMATOLOGY Analyzer, Model: ELITE 580, Serial No. K11051912060 in the clinical lab of JAIPUR NATIONAL UNIVERSITY as per the attached protocol.

Protocol Performed By: **Transasia Representative**

Name : ICHCHESH DESHWAL Signature: Ichchesh 10/6/20
Title : INSTALLATIONQUALIFICATION
Company : TRANSASIA BIO-MEDICALS LTD. Date:

Validation Team from _____:

Name : ANKUSH JAIN
Designation : APPLICATION SPECIALIST
Department : TSD

Customer Authorizations:

Name : MR. AMIT SHARMA Signature : Amit
Title : INSTALLATION QUALIFICATION
Site : SIKAR Date : 10/06/2020

TRANSASIA BIO-MEDICALS LTD.

II. Instructions

1. This document is to be completed at the time the system is shifted to its current location (new) and set up for operation.

2. An authorized TRANSASIA representative will check the system and enter the specific data as outlined in the appropriate Installation Qualification. Each result will be noted and dated.

3. Employee of DR B LAL CLINICAL LABOATORY PVT LTD will verify each result and sign in the last page. The members of the validation team will carry this out.

4. ALL deviations from normal specification to include any problems with installation will be noted under COMMENTS. All resolution to such problems will also be noted in the COMMENTS section. Additional space is provided at the end of this protocol for the same.

5. This document contains proprietary information and is in no way to be copied, photographed or duplicated in any way without expressed written authorization by the Transasia Bio-Medicals Ltd., Transasia House, Mumbai.

Validation Team :

Name: ICHCHESH DESHWAL

Designation: SERVICE ENGINEER

Signature:

Date: 10/6/20

TRANSASIA BIO-MEDICALS LTD.

III. Scope

This Installation Qualification protocol will be performed on the ERBA Hematology Analyzer, Model ELITE 580, Serial No. K11051912060 located in DR B LAL LAB CLINICAL LABORATORY HEMATOLOGY LAB This Protocol will define the documentation that will be used to evaluate the instruments installation in accordance with the manufacture's specifications and intended use. Successful completion of this protocol will verify that the instrument identified has been installed in accordance with the intended usage.

Installation checks will also be performed to verify that the instrument has been installed with proper connections and utilities.

Trained, knowledgeable personnel will perform qualification studies.

Any exceptional conditions encountered during the qualification studies will be identified for review. Exceptional conditions will be investigated and the appropriate course of action determined. All documents will be initialed and dated.

Validation Team:

Name: ICHCHESH DESHWAL

Designation: AREA SERVICE MANAGER

Signature:

Date: 10/6/20

TRANSASIA BIO-MEDICALS LTD.

IV. Ancillary Information.

a. Certification of Purchase Order Compliance

I certify to the best of my knowledge, the instrument is purchased under Purchase order No._____, Dt._____ sent against Quotation number _____ dt._____ is in compliance with the specifications of the Purchase order.

Verified By :_____ Date :_____

b. Utilities

Sr.No.	Utility		Verified By	Date
1.	Environmental condition as per requirement: (Ambient range of temperature 15 – 30 °C, relative humidity 30% to 85%, air conditioning facility, non exposure to direct sunlight, non-interference from high frequency radio waves)	Yes / ~~No~~		
2.	Adequate space for installation : (Minimum in mm. W 600 X D 600 X H 552 for the main unit clearance of around 50 cm from back around 50cm on top and around 50 cm on sides for the main unit)	Yes / ~~No~~		
3.	DIL-ELITE 580; LYSE1, LYSE2 & LYSE 3 BOTTLES to be placed within a distance of 2 meters :	Yes / ~~No~~		10/6/20
4.	Power Source Requirements* It should have minimum five 5amps plug. It should have proper grounding. In case of online UPS minimum power handling capacity should be minimum 1KVA Line- Neutral voltage: 220 Line –Earth voltage: 3 volt Neutral-Earth voltage: 220	Yes / ~~No~~		

* Encircle applicable source

TRANSASIA BIO-MEDICALS LTD

Validation Team :

Name: ICHCHESH DESHWAL

Designation: AREA SERVICE MANAGER

Signature:

Date: 10/6/20

c. The instrument has been verified for the following

Sr.No.	Verification		Verified By	Date
1.	Instrument is identified	Yes / ~~No~~		
2.	Manufacturer's specifications are included	Yes / ~~No~~		
3.	Accessories / Consumables are listed	Yes / ~~No~~	J Deshwal	10/6/20
4.	Manufacturer's certificate of Compliance attached	Yes / ~~No~~		

TRANSASIA BIO-MEDICALS LTD.

Validation Team :

Name: ICHCHESH DESHWAL

Designation: AREA SERVICE MANAGER

Signature: J Deshwal

Date: 10/6/20

V. Installation Qualification

A. Equipment Description

This ERBA ELITE 580 is a fully automated five part Hematology analyzer for in vitro diagnostic use in clinical laboratories. The instrument provides accurate and precise test results for (29) parameters including three histograms & one scatter- grams.

Instrument identification		Verified by	Date
Equipment Name	Automated Hematology		
Model	ELITE 580		
Manufacturer	Erba Mannheim		
Marketed By	Transasia		
Equipment #			
Serial Number	K11051912060		10/6/20
Size (in mm)	W 600 X D 600 X H 552		
Power	AC 220 V		
Frequency	50 – 60 Hz		
Power Consumption	Less Than 250 VA		

TRANSASIA * BIO-MEDICALS LTD.

Validation Team:

Name: ICHCHESH DESHWAL

Designation: AREA SERVICE MANAGER

Signature:

Date: 10/6/20

Installation Qualification

Consumables such as H-Clean, DIL ELITE 580, LYSE1 & LYSE2 were supplied along with instrument.

rently a sufficient stock of the same is being maintained Yes ☑ No ☐

C. List of Manuals, Certificates and Drawings

Transasia provides the following with the instrument.

1. Instructions For use
2. User's Guide

D. Change Control Procedure

The instrument will not be altered, enhanced, modified or substituted for another system until a formal Change Control Authorization is approved from Transasia Bio-Medicals Ltd. and DR B LAL CLINICAL LABORATOY ALWAR .

E. Maintenance

The instrument listed within this document will be placed under the control of the purchasing institution with respect to proper maintenance procedures as detailed in the User Manual.

A trained analyst using the manuals provided with the instrumentation can perform simple maintenance. Upon expiration of the warranty period Transasia offers several levels of Maintenance Agreements and Performance Testing services to assist you in maintaining GLP/GMP compliance. Contacting your local representative and requesting the additional Service Agreement can supply additional information.

Validation Team :

Name: ICHCHESH DESHWAL

Designation: AREA SERVICE MANAGER

Signature: Deshwal

Date: 10/6/20

TRANSASIA BIO-MEDICALS LTD.

F. Spare Parts

Transasia strongly recommends the end user maintain a basic of consumable parts onsite to minimize down time due to minor failures. They have provided a list of such consumable parts and the same is also available in the Operator's Manual.

C. Equipment Logs

Title	Location	Verified by	Date

Sample page of the logbook is attached to this document

Effective date:

Validation Team :

Name: ICHCHESH DESHWAL

Designation: AREA SERVICE MANAGER

Signature:

Date: 10/10/20

TRANSASIA BIO-MEDICALS LTD.

H. Installation Procedure

(These had been performed at the time of original installation at the initial location)

1. Unpacking Checklist
   Refer to Page-13 of ERBA ELITE 580 Instruction For Use

2. Check Before Installation
   Refer to Page-13 of ERBA ELITE 580 Instruction For Use

3. Grounding
   Refer to Page-13 of ERBA ELITE 580 Instruction For Use

4. Installation Environment & Space
   Refer to Page-13 of ERBA ELITE 580 Instruction For Use

Validation Team:

Name: ICHCHESH DESHWAL

Designation: AREA SERVICE MANAGER

Signature:

Date: 10/6/20

TRANSASIA BIO-MEDICALS LTD.

COMMENTS:

NO DEVIATION FOUND EVERYTHING FOUND SATISFACTORY

Validation Team :

Name: ICHCHESH DESHWAL

Designation: AREA SERVICE MANAGER

Signature: Ickdeshwal

Date: 10/6/20

TRANSASIA BIO-MEDICALS LTD.

VII. System Certification

Study data has determined that the system described in this document either meets all criteria outlined in this independently Installation Qualification Protocol, or exceptional conditions have been identified and documentation included. Exceptional conditions, if any, have been addressed. The system is ready for specified usage.

Report Performed By : Transasia Representative

Name : ICHCHESH DESHWAL

Title : INSTALLATION QUALIFICATION Signature : Ichchesh 10/6/20

Company: TRANSASIA BIO-MEDICALS LTD. Date :

Customer Authorizations:

Name : MR. MOHAR SINGH

Title : INSTALLATION QUALIFICATION Signature:

Company : Date :

Name : MR. AMIT SHARMA

Title : INSTALLATION QUALIFICATION Signature: Amm

Company: DR. B. Lal Clinical Lab. Pvt. Ltd. Date : 10/6/20

TRANSASIA BIO-MEDICALS LTD.

Date: 10-6-2020

Reagent Check done

Printer checked

Analyzer switched ON at

SELF CHECK performed

RINSE CYCLE completed

Background limits within acceptable range

Analysis start time

Analysis end time

No. of samples analyzed

Shut down procedure done

Analyzer switched OFF at

Recorded by: Checked by:

TRANSASIA BIO-MEDICALS LTD.

Date: 10/6/20

ERBA– ELIE 580
AUTOMATED HEMATOLOGY ANALYZER

PERFORMANCE QUALIFICATION

For

" DR B LAL CLINICAL LABORATORY PVT LTD "

Marketed by:
Transasia Bio-Medicals Ltd.,
(ISO 9002 CERTIFIED)
Transasia House,
Chandivali Studio road,
Andheri (E),
MUMBAI – 400 072

Table of Contents:

I. Approval of the PQ procedure

Both DR B LAL CLINICAL LABORATORY PVT LTD and Transasia are jointly responsible for conducting the Performance Check of the Hematology Analyzer,Model : ERBA – ELIE 580, Serial No. K11051912060 in the clinical lab of DR B LAL CLINICAL LABORATORY PVT LTD as per the attached protocol.

Protocol Performed By: **Transasia Representative**

Name	:	ANKUSH JAIN	Signature:
Title	:	**PERFORMANCE QUALIFICATION**	Date: 10-6-2020
Company	:	**TRANSASIA BIO-MEDICALS LTD.**	

Validation Team from :

Name	:	ANKUSH JAIN
Designation	:	APPLICATION SUPPORT
Department	:	TSD

Name	:	ICHCHESH DESHWAL
Designation	:	SERVICE ENGINEER
Department	:	TSD

Customer Authorizations:

Name	:	MR. MOHAR SINGH	Signature:
Title	:	PERFORMANCE QUALIFICATION	
Site	:		Date: 10/6/20

TRANSASIA BIO-MEDICALS LTD.

II. Instructions

1. An authorized TRANSASIA representative will check for the performance of the instrument and enter the specific data as outlined in the Performance Qualification. Each result will be noted and dated.
2. Performance checks on a regular basis described in the Further Performance Checks (vide-infra) will be responsibility of the customer's personnel.
3. Employee of DR B LAL CLINICAL LABORATORY PVT LTD will verify each result and sign in the last page. The members of the validation team will carry this out.
4. ALL deviations from the acceptance criteria detailed in this document will be noted in the COMMENTS section at the end of each PQ protocol. All resolution to such problems will also be noted in the COMMENTS section, and must be resolved prior to issuance of a SYSTEM CERTIFICATION. These will be an additional cost to the purchasing institution (CUSTOMER). However this additional cost will be waived when this test is conducted at time of initial performance check of new instruments.
5. Any test data that does not meet the specified acceptance criteria will be submitted to the appropriate laboratory personnel for solution. All steps taken subsequently will be documented.
6. This document contains proprietary information and is in no way to be copied, photographed or duplicated in any way without expressed written authorization by the Production Manager at Transasia Bio-Medicals Ltd., Transasia House, Mumbai.

Validation Team:

Name ANKUSH JAIN

Designation APPLICATION SPECIALIST

Signature

Date 10-6-2020

III. Scope

This Performance Qualification protocol will be performed on the Hematology Analyzer, Model ERBA – ELIE 580, Serial NO K11051912060 located in **DR B LAL CLINICAL LABORATORY PVT LTD**. This Protocol will define the documentation that will be used to evaluate the instruments installation in accordance with the manufacture's specifications and intended use. Successful completion of this protocol will verify that the instrument identified is performing in accordance with the intended usage.

Trained, knowledgeable personnel will perform qualification studies.

Any exceptional conditions encountered during the qualification studies will be identified for review. Exceptional conditions will be investigated and the appropriate course of action determined. All documents will be initialed and dated.

TRANSASIA BIO-MEDICALS LTD.

Validation Team:

Name	ANKUSH JAIN
Designation	APPLICATION SPECIALIST
Signature	Ankush
Date	10-6-2020

IV. Performance Qualification

a. Instrument Identification **Verified Date**

1. Model Name	ERBA – ELIE 580	10-6-2020
2. Serial Number	K11051912060	

b. Following is a list of tests to be performed and verified:

Test No.	Test Name	Test Purpose	Verified Date
02	Sample Processing	Ability to process samples	
03	Further Performance Checks	Regular Maintenance	10-6-2020

TRANSASIA BIO-MEDICALS LTD.

Validation Team:

Name	ANKUSH JAIN
Designation	APPLICATION SPECIALIST
Signature	Ankush
Date	10-6-2020

c. Performance Testing

Test 1

Test Name: **Sample Processing**

Purpose: **Ability to Process Samples**

Method:

1. **Run the control samples five times consecutively**

Acceptance Criteria: Each of the results obtained above should be within the range as specified in the control chart.

Parameters Values for Verification:

RBC Count:

Test	Control Values	Results Obtained	Pass	Fail
1.	4.35 - 4.83	4.61	PASS	
2.	4.35 - 4.83	4.64	PASS	
3.	4.35 - 4.83	4.65	PASS	
4.	4.35 - 4.83	4.69	PASS	
5.	4.35 - 4.83	4.62	PASS	

Validation Team:

Name ANKUSH JAIN

Designation APPLICATION SPECIALIST

Signature

Date 10-6-2020

TRANSASIA BIO-MEDICALS LTD.

WBC Count:

Test	Control Values	Results Obtained	Pass	Fail
1.	6.78 – 8.78	7.84	PASS	
2.	6.78 – 8.78	7.75	PASS	
3.	6.78 – 8.78	7.84	PASS	
4.	6.78 – 8.78	7.72	PASS	
5.	6.78 – 8.78	8.08	PASS	

Hemoglobin:

Test	Control Values	Results Obtained	Pass	Fail
1.	12.8 – 14.0	13.5	PASS	
2.	12.8 – 14.0	13.3	PASS	
3.	12.8 – 14.0	13.5	PASS	
4.	12.8 – 14.0	13.5	PASS	
5.	12.8 – 14.0	13.4	PASS	

HCT:

Test	Control Values	Results Obtained	Pass	Fail
1.	39.6 – 45.24	42.5	PASS	
2.	39.6 – 45.24	42.7	PASS	
3.	39.6 – 45.24	42.6	PASS	
4.	39.6 – 45.24	43.0	PASS	
5.	39.6 – 45.24	42.4	PASS	

Platelet Count:

Test	Control Values	Results Obtained	Pass	Fail
1.	202 - 282	250	PASS	
2.	202 - 282	253	PASS	
3.	202 - 282	247	PASS	
4.	202 - 282	241	PASS	
5.	202 - 282	251	PASS	

Validation Team:

Name ANKUSH JAIN

Designation APPLICATION SPECIALIST

Signature

Date 10-C-2020

TRANSASIA BIO-MEDICALS LTD.

Test 2

Test Name:

1. Tests for checking the performance of the instruments during analysis
2. Tests for checking long term performance of the instrument

Purpose:

The purpose of the above checks is to ensure the reliability of the results being obtained.

Method:

1. During Sample analysis:

To run control samples each time the instrument is used for sample analysis and verification of the results of the controls to be within the reference range to be established by performance of the precision experiments.

2. Long term Performance

This is to be checked by Levy Jennings plots to be updated once in six months

Validation Team:

Name ANKUSH JAIN

Designation APPLICATION SPECIALIST

Signature Ankush Jain

Date 10-6-2020

TRANSASIA BIO-MEDICALS LTD.

V. System Certification

Study data has determined that the system described in this document either meets all criteria outlined in this Performance Qualification Protocol, or exceptional conditions have been identified and documentation included. Exceptional conditions, if any, have been addressed. The system is ready for specified usage.

Report Performed By: Transasia Representative

Name : ANKUSH JAIN

Title : PERFORMANCE QUALIFICATION Signature:

Company: TRANSASIA BIO-MEDICALS LTD. Date : 10-6-2020

Customer Authorizations:

Name : MR. MOHAR SINGH

Title : PERFORMANCE QUALIFICATION Signature:

Site : DR B LAL LAB ALWAR Date :

Name :MR. AMIT SHARMA

Title : PERFORMANCE QUALIFICATION Signature:

Site : DR B LAL LAB, ~~ALWAR~~ SIKAR Date 10-6-2020

TRANSASIA BIO-MEDICALS LTD.


TRANSASIA
BIO-MEDICALS LTD.

ELite H5 CON

Erba Mannheim

Hematology Control / Hematologická kontrola / Control de hematología

LOT EH2005

2020-07-10

CE IVD

Assay values and expected ranges

Atestované hodnoty a očekávaná rozmezí / Valores de la media y rangos esperados

Name Název Nombre	Cat. No. Kat.č. No.Cat.	Level Hladina Nivel	Package volume Objem balení Volumen
ELite H5 CON L	HEM00024	Low	3 ml
ELite H5 CON N	HEM00025	Normal	3 ml
ELite H5 CON H	HEM00026	High	3 ml

Before using refer to the instruction sheet. / Před použitím čtěte návod. / Lea las instrucciones antes del uso.

Parameter Analyt Analito		ELite 580 (SW A10.3 or below)		
		"Low"	"Normal"	"High"
		Mean ± Limit	Mean ± Limit	Mean ± Limit
WBC	x 10^9/L	3.42 ± 0.50	7.78 ± 1.00	17.67 ± 2.5
Neu%	%	48.6 ± 9.0	55.3 ± 8.0	63.2 ± 7.0
Lym%	%	37.4 ± 9.0	28.4 ± 8.0	19.2 ± 6.0
Mon%	%	7.5 ± 4.0	7.3 ± 5.0	6.7 ± 6.0
Eos%	%	6.5 ± 5.0	9.0 ± 6.0	10.9 ± 7.0
Bas%	%	63.4 ± 8.0	72.0 ± 8.0	81.6 ± 8.0
Neu#	x 10^9/L	1.66 ± 0.40	4.30 ± 0.70	11.17 ± 1.40
Lym#	x 10^9/L	1.28 ± 0.40	2.21 ± 0.70	3.39 ± 1.10
Mon#	x 10^9/L	0.26 ± 0.14	0.57 ± 0.50	1.18 ± 1.10
Eos#	x 10^9/L	0.22 ± 0.15	0.70 ± 0.50	1.93 ± 1.30
Bas#	x 10^9/L	2.11 ± 0.30	5.60 ± 0.70	14.43 ± 1.50
RBC	x 10^{12}/L	2.33 ± 0.18	4.59 ± 0.24	5.39 ± 0.50
HGB	g/L	58 ± 4	134 ± 6	170 ± 8
	g/dL	5.8 ± 0.4	13.4 ± 0.6	17.0 ± 0.8
HCT	%	18.8 ± 2.0	42.6 ± 3.0	53.8 ± 4.0
MCV	fL	80.9 ± 5.0	92.8 ± 5.0	100.0 ± 6.0
MCH	pg	25.0 ± 2.5	29.2 ± 2.5	31.6 ± 2.5
MCHC	g/L	309 ± 30	315 ± 30	316 ± 30
	g/dL	30.9 ± 3.0	31.5 ± 3.0	31.6 ± 3.0
RDW-CV	%	18.6 ± 3.0	15.9 ± 3.0	14.7 ± 3.0
RDW-SD	fL	53.2 ± 10.0	51.9 ± 10.0	51.4 ± 12.0
PLT	x 10^9/L	50 ± 20	242 ± 40	499 ± 60
MPV	fL	10.8 ± 3.0	10.3 ± 3.0	10.2 ± 3.0
PDW	fL	12.4 ± 3.0	12.6 ± 3.0	12.7 ± 3.0
	/	10.0 ± 3.0	10.0 ± 3.0	10.0 ± 3.0
PCT	%	0.055 ± 0.050	0.250 ± 0.100	0.509 ± 0.200
P-LCR	%	30.2 ± 8.0	28.3 ± 8.0	28.3 ± 8.0
P-LCC	x 10^9/L	15 ± 15	69 ± 25	141 ± 35

10020494
10020495
10020493

Erba Lachema s.r.o., Karásek 2219/1d, 621 00 Brno, CZ

Date of Issue / Datum vydání / Fecha de emisión: 30. 4. 2020
HEMA/PI/27-A/19/D/INT

L-J QC Table

Editor: admin QC Mode: Whole Blood-CBC+DIFF File No.: 2 Lot No.: EH2005N

Existing / Total: 5/500 Level: Normal Date Range: 2020/06/10-2020/06/10

QC Sample ID: Exp. Date: 2020/07/10 Print Time: 2020/06/10 06:50:24

	Date	Time	Operator	WBC	Neu%	Lym%	Mon%	Eos%	Bas%	Neu#	Lym#	Mon#	Eos#	Bas#	RBC	HGB	HCT	MCV	MCH	MCHC	RDW-CV	RDW-SD	PLT	MPV	PDW-SD	PDW-CV	PCT	P-LCR	P-LCC
TARGET	/	/	/	7.85	56.7	29.7	7.7	5.9	72.7	4.45	2.33	0.6	0.47	5.65	4.6	13.3	41	89.1	29	32.5	16.1	52.1	243	10.3	12.7	16	0.248	28.3	69
LIMITS(#)	/	/	/	1	8	8	5	5.9	8	0.7	0.7	0.5	0.47	0.7	0.24	0.6	3	5	2.5	3	3	10	40	3	3	3	0.1	8	25
1	2020/06/10	06:34:22	admin	7.84	59.0	30.0	7.3	3.7	73.1	4.63	2.35	0.57	0.29	5.74	4.61	13.3	42.5	92.1	28.9	31.4	16.2	52.2	250	9.9			0.246	26.3	66
2	2020/06/10	06:43:44	admin	7.75	59.7	28.7	8.1	3.5	71.4	4.63	2.22	0.63	0.27	5.54	4.64	13.5	42.7	91.8	29.0	31.6	16.2	52.3	253	10.0			0.254	26.6	67
3	2020/06/10	06:45:09	admin	7.84	58.8	30.1	7.6	3.5	72.9	4.61	2.36	0.60	0.27	5.72	4.65	13.4	42.6	91.7	28.9	31.5	16.2	52.1	247	9.7			0.241	25.2	62
4	2020/06/10	06:46:26	admin	7.72	59.2	29.5	8.2	3.1	72.3	4.57	2.28	0.63	0.24	5.59	4.69	13.5	43.0	91.7	28.8	31.4	16.3	52.3	241	10.3			0.248	27.9	67
5	2020/06/10	06:47:51	admin	8.08	57.6	30.3	8.4	3.7	72.7	4.65	2.45	0.68	0.30	5.87	4.62	13.5	42.4	91.9	29.2	31.8	16.0	51.7	251	10.1			0.253	26.8	67

OPERATIONAL QUALIFICATION

For

TRANSASIA

ELITE 580
AUTOMATED HEMATOLOGY ANALYZER

DR. B LAL CLINICAL LABORATORY PVT LTD

Marketed by:
Transasia Bio-Medicals Ltd.,
(ISO 13485 CERTIFIED)
Transasia House,
Chandivali Studio road,
Andheri (E),
MUMBAI – 400 072

Table of Contents

TRANSASIA BIO-MEDICALS LTD.

I. Approval of the OQ procedure:

DR B LAL CLINICAL LABORATORY PVT LTD and Transasia are jointly responsible for operational check of the HEMATOLOGY Analyzer, Model: ELITE 580, serial no. K11051912060 in the clinical lab of DR B LAL CLINICAL LABORATORY PVT LTD as per protocol attached.

Protocol Performed by: Transasia Representative

Name : ICHCHESH DESHWAL Signature :
Title : OPERATIONAL QUALIFICATION Date :
Company : TRANSASIA BIO-MEDICALS LTD.

Icdeshwal
10/06/20

Validation Team from _____

Name : ICHCHESH DESHWAL
Designation : APPLICATION SPECIALIST
Department : TSD

Customer Authorization:

Name : MR. MOHAR SINGH Signature :
Title : OPERATIONAL QUALIFICATION Date : 10/6/2020
Site : DR B LAL CLINICAL LABORATORY PVT. LTD.

TRANSASIA BIO-MEDICALS LTD.

II. Instructions

1. The TRANSASIA representative will check each module and enter the specific data as described in the Operational Qualification. Each result will be noted and dated.
2. Employee of DR B LAL LABORATORY PVT LTD will verify each result and sign in the last page. The member/s of the validation team will be responsible for the same.
3. Any deviations from the acceptance criteria detailed in this document will be noted in the **COMMENTS** section of the OQ protocol. All resolution to such problems will also be noted in the **COMMENTS** section, and must be resolved prior to issuance of a SYSTEM CERTIFICATION. This will be an additional cost to the purchasing institution (CUSTOMER). However this additional cost will be waived when this test is conducted at time of initial performance check of new instruments.
4. Any test data, which does not meet the specified acceptance criteria, will be submitted to the appropriate laboratory personnel for solution. All steps taken subsequently will be documented.
5. This document contains proprietary information and is in no way to be copied, photographed or duplicated in any way without expressed written authorization by the Product Manager at Transasia Bio-Medicals Ltd., Transasia House, Mumbai.

Validation Team:

Name: ICHCHESH DEAHWAL

Designation: AREA SERVICE MANAGER

Signature:

Date: 10/6/20

III. Scope

This Operational Qualification protocol will be performed on the Hematology Analyzer, Model ELITE 580, Serial No. K11051912060 located in **DR B LAL CLINICAL LABORATORY PVT LTD. in** Clinical laboratory of DR B LAL CLINICAL LABORATORY PVT LTD ALWAR RAJASTHAN. This Protocol will define the documentation that will be used to evaluate the instruments installation in accordance with the manufacturer's specifications and intended use. Successful completion of this protocol will verify that the instrument identified is performing in accordance with the intended usage.

Trained, knowledgeable personnel will perform qualification studies.

Any exceptional conditions encountered during the qualification studies will be identified for review. Exceptional conditions will be investigated and the appropriate course of action determined. All documents will be initialed and dated.

TRANSASIA BIO-MEDICALS LTD.

Validation Team:

Name: ICHCHESH DESHWAL

Designation: AREA SERVICE MANAGER

Signature: Deshwal

Date: 10/6/20

COMMENTS:
NO DEVIATION FOUND

Validation Team :

Name: ICHCHESH DESHWAL

Designation: AREA SERVICE MANAGER

Signature: Ichchesh 10/6/20

Date:

TRANSASIA BIO-MEDICALS LTD.

VII. System Certification

Study data has determined that the system described in this document either meets all criteria outlined in this Operational Qualification Protocol, or exceptional conditions have been identified and documentation included. Exceptional conditions, if any, have been addressed. The system is ready for specified usage.

Report Performed By : Transasia Representative

Name : ICHCHESH DESHWAL

Title : OPERATIONAL QUALIFICATION Signature : Deshwal 10/6/20

Company : TRANSASIA BIO-MEDICALS LTD. Date :

Customer Authorizations:

Name : MR. MOHAR SINGH

Title : OPERATIONAL QUALIFICATION Signature :

Company : DR B LAL LAB ~~ALWAR~~ SIKAR Date : 10/6/20

TRANSASIA BIO-MEDICALS LTD

INSTITUTE NAME DR B LAL CLINICAL LABORATORY

Instrument Serial Number:____ K11051912060
Carryover Study
Date performed:
Carryover calculation:

Carryover % = (L1-L3)/ (H3-L3) * 100.

Interpretation of results. :
1) If (L1-L3) is equal to a negative number or zero then stop as there is no evidence of carryover.
2) The percentage carryover effect should be less than the imprecision of the assay listed by manufacturer.

	Analytes				
Instrument	WBC	RBC	Plt	Hb	Hct
H1	6.46	5.2	325	13.3	39.8
H2	6.29	5.18	326	13.3	39.6
H3	6.26	5.15	307	13.3	39.4
L1	0	0	3	0	0
L2	0	0	0	0	0
L3	0	0	0	0	0
% age Carryover	0.00	0.00	0.98	0.00	0.00

Company Representative
Sing:
Date: 10-6-2020

Customer Authorization
Sing:
Date: 10/6/20

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: H1
Run Time: 2020/06/10 07:58
Diagnosis:

Parameter	Result		Ref. Range	Unit
1 WBC	**6.46**		**4.00-10.00**	**10^3/uL**
2 RBC	**5.20**		**3.50-5.50**	**10^6/uL**
3 HGB	13.3		11.0-16.0	g/dL
4 HCT	39.8		37.0-54.0	%
5 MCV	76.5	↓	80.0-100.0	fL
6 MCH	25.6	↓	27.0-34.0	pg
7 MCHC	33.4		32.0-36.0	g/dL
8 RDW-CV	14.8		11.0-16.0	%
9 RDW-SD	40.6		35.0-56.0	fL
10 PLT	**325**	↑	**100-300**	**10^3/uL**
11 MPV	11.4		6.5-12.0	fL
12 PCT	0.372	↑	0.108-0.282	%
13 P-LCR	35.8		11.0-45.0	%
14 P-LCC	116	↑	30-90	10^9/L

Parameter	Result	Ref. Range	Unit

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 07:58
Report Time: 2020/06/10 08:10

Operator: admin
Delivery Time: 2020/06/10 07:58
Remarks:

Approver: admin
Validated Time: 2020/06/10 08:10

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: H2
Run Time: 2020/06/10 08:01
Diagnosis:

Parameter	Result		Ref. Range	Unit
1 WBC	**6.29**		**4.00-10.00**	**10^3/uL**
2 RBC	**5.18**		**3.50-5.50**	**10^6/uL**
3 HGB	13.3		11.0-16.0	g/dL
4 HCT	39.6		37.0-54.0	%
5 MCV	76.5	↓	80.0-100.0	fL
6 MCH	25.6	↓	27.0-34.0	pg
7 MCHC	33.5		32.0-36.0	g/dL
8 RDW-CV	15.0		11.0-16.0	%
9 RDW-SD	41.1		35.0-56.0	fL
10 PLT	**326**	↑	**100-300**	**10^3/uL**
11 MPV	11.5		6.5-12.0	fL
12 PCT	0.377	↑	0.108-0.282	%
13 P-LCR	36.1		11.0-45.0	%
14 P-LCC	118	↑	30-90	10^9/L

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:01
Report Time: 2020/06/10 08:10

Operator: admin
Delivery Time: 2020/06/10 08:01
Remarks:

Approver: admin
Validated Time: 2020/06/10 08:10

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: H3
Run Time: 2020/06/10 08:03
Diagnosis:

Parameter	Result		Ref. Range	Unit
1 WBC	**6.26**		**4.00-10.00**	**10^3/uL**
2 RBC	**5.15**		**3.50-5.50**	**10^6/uL**
3 HGB	13.3		11.0-16.0	g/dL
4 HCT	39.4		37.0-54.0	%
5 MCV	76.5	↓	80.0-100.0	fL
6 MCH	25.8	↓	27.0-34.0	pg
7 MCHC	33.6		32.0-36.0	g/dL
8 RDW-CV	14.6		11.0-16.0	%
9 RDW-SD	40.0		35.0-56.0	fL
10 PLT	**307**	↑	**100-300**	**10^3/uL**
11 MPV	11.4		6.5-12.0	fL
12 PCT	0.352	↑	0.108-0.282	%
13 P-LCR	36.1		11.0-45.0	%
14 P-LCC	111	↑	30-90	10^9/L

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:03
Report Time: 2020/06/10 08:06

Operator: admin
Delivery Time: 2020/06/10 08:03
Remarks:

Approver: admin
Validated Time: 2020/06/10 08:06

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: L1
Run Time: 2020/06/10 08:00
Diagnosis:

Parameter	Result		Ref. Range	Unit
1 WBC	**0.00**	↓	**4.00-10.00**	**10^3/uL**
2 RBC	**0.00**	↓	**3.50-5.50**	**10^6/uL**
3 HGB	0.0	↓	11.0-16.0	g/dL
4 HCT	0.0	↓	37.0-54.0	%
5 MCV	***.*		80.0-100.0	fL
6 MCH	***.*		27.0-34.0	pg
7 MCHC	***.*		32.0-36.0	g/dL
8 RDW-CV	**.*		11.0-16.0	%
9 RDW-SD	***.*		35.0-56.0	fL
10 PLT	**0**	↓	**100-300**	**10^3/uL**
11 MPV	**.*		6.5-12.0	fL
12 PCT	.***		0.108-0.282	%
13 P-LCR	**.*		11.0-45.0	%
14 P-LCC	****		30-90	10^9/L

Parameter	Result	Ref. Range	Unit

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:00
Report Time: 2020/06/10 08:10

Operator: admin
Delivery Time: 2020/06/10 08:00
Remarks:

Approver: admin
Validated Time: 2020/06/10 08:10

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: L3
Run Time: 2020/06/10 08:05
Diagnosis:

Parameter	Result		Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**0.00**	↓	**4.00-10.00**	**10^3/uL**				
2 RBC	**0.00**	↓	**3.50-5.50**	**10^6/uL**				
3 HGB	0.0	↓	11.0-16.0	g/dL				
4 HCT	0.0	↓	37.0-54.0	%				
5 MCV	***.*		80.0-100.0	fL				
6 MCH	***.*		27.0-34.0	pg				
7 MCHC	***.*		32.0-36.0	g/dL				
8 RDW-CV	**.*		11.0-16.0	%				
9 RDW-SD	***.*		35.0-56.0	fL				
10 PLT	**0**	↓	**100-300**	**10^3/uL**				
11 MPV	**.*		6.5-12.0	fL				
12 PCT	.***		0.108-0.282	%				
13 P-LCR	**.*		11.0-45.0	%				
14 P-LCC	****		30-90	10^9/L				

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Operator: admin
Approver: admin
Sampling Time: 2020/06/10 08:05
Delivery Time: 2020/06/10 08:05
Validated Time: 2020/06/10 08:10
Report Time: 2020/06/10 08:10
Remarks:

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: L2
Run Time: 2020/06/10 08:02
Diagnosis:

Parameter	Result		Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**0.00**	↓	**4.00-10.00**	**10^3/uL**				
2 RBC	**0.00**	↓	**3.50-5.50**	**10^6/uL**				
3 HGB	0.0	↓	11.0-16.0	g/dL				
4 HCT	0.0	↓	37.0-54.0	%				
5 MCV	***.*		80.0-100.0	fL				
6 MCH	***.*		27.0-34.0	pg				
7 MCHC	***.*		32.0-36.0	g/dL				
8 RDW-CV	**.*		11.0-16.0	%				
9 RDW-SD	***.*		35.0-56.0	fL				
10 PLT	**0**	↓	**100-300**	**10^3/uL**				
11 MPV	**.*		6.5-12.0	fL				
12 PCT	.***		0.108-0.282	%				
13 P-LCR	**.*		11.0-45.0	%				
14 P-LCC	****		30-90	10^9/L				

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:02
Report Time: 2020/06/10 08:06

Operator: admin
Delivery Time: 2020/06/10 08:02
Remarks:

Approver: admin
Validated Time: 2020/06/10 08:06

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

Hematology Analysis Report

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: background
Run Time: 2020/06/10 05:05
Diagnosis:

Parameter	Result		Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 **WBC**	**0.01**	↓		**10^3/uL**				
2 **RBC**	**0.00**	↓		**10^6/uL**				
3 HGB	0.0	↓		g/dL				
4 HCT	0.0	↓		%				
5 MCV	***.*			fL				
6 MCH	***.*			pg				
7 MCHC	***.*			g/dL				
8 RDW-CV	**.*			%				
9 RDW-SD	***.*			fL				
10 PLT	**0**	↓		**10^3/uL**				
11 MPV	**.*			fL				
12 PCT	.***			%				
13 P-LCR	**.*			%				
14 P-LCC	****			10^9/L				

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 05:05
Report Time: 2020/06/10 07:54

Operator: admin
Delivery Time: 2020/06/10 05:05
Remarks:

Approver:
Validated Time:

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

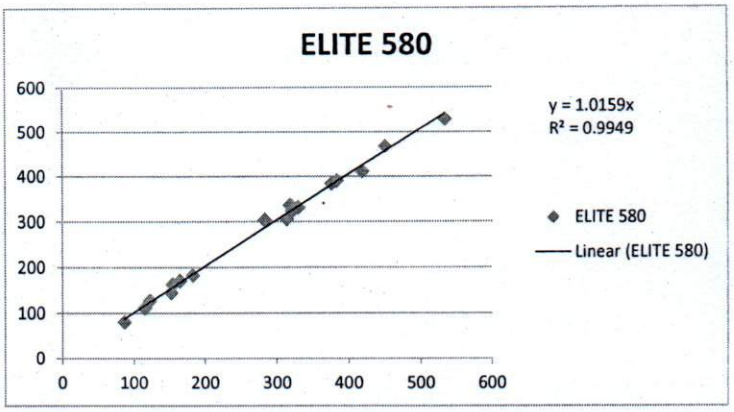
INSTITUTE NAME DR BLAL CLINICAL LABORATORY

Instrument Serial Number:_____ K11051912060

Inter Instrument Comparison-PLT

Date performed:

SID NO.	XS	ELITE 580	% BIAS
85001330	329	331	-0.6
85001329	321	324	-0.9
85001325	319	336	-5.1
85001323	376	385	-2.3
85001321	283	304	-6.9
85001318	419	411	1.9
85001316	154	163	-5.5
85001315	534	530	0.8
85001313	451	468	-3.6
85001310	86	81	6.2
85001309	383	391	-2.0
85001306	318	337	-5.6
85001304	165	172	-4.1
96000205	183	184	-0.5
96000205	152	146	4.1
85001303	122	128	-4.7
85001317	314	306	2.6
85001300	115	112	2.7



Company Representative
Sing:
Date: 10-6-2020

Customer Authorization
Sing:
Date: 10/6/20

TRANSASIA BIO-MEDICALS

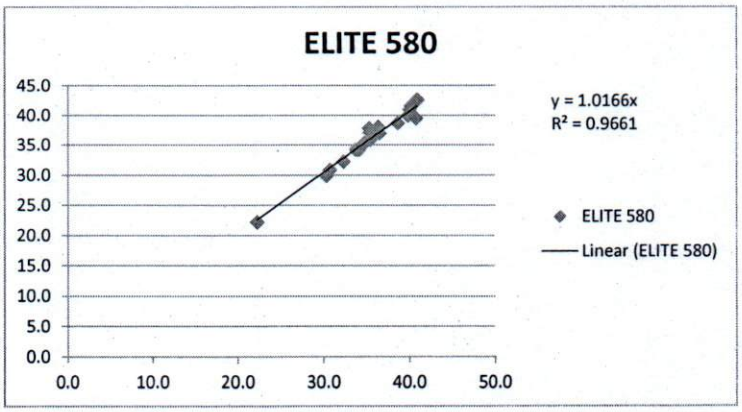
INSTITUTE NAME DR B LAL CLINICAL LABORATORY

Instrument Serial Number:_____ K11051912060

Inter Instrument Comparison-HCT

Date performed:

SID NO.	XS	ELITE 580	% BIAS
85001330	38.7	38.7	0.0
85001329	39.8	39.9	-0.3
85001325	33.8	34.2	-1.2
85001323	32.3	32.2	0.3
85001321	30.7	30.9	-0.6
85001318	35.4	35.9	-1.4
85001316	30.3	29.9	1.3
85001315	22.3	22.2	0.5
85001313	34.1	34.2	-0.3
85001310	40.0	40.9	-2.2
85001309	36.5	37.0	-1.4
85001306	40.2	41.6	-3.4
85001304	35.4	37.1	-4.6
96000205	40.9	42.6	-4.0
96000206	40.8	39.5	3.3
85001303	36.4	38.1	-4.5
85001317	34.8	35.3	-1.4
85001300	35.3	37.8	-6.6



Company Representative
Sing:
Date: 10/6/2020

ERA'S ASIA BIO-MED CARE LTD.

Customer Authorization
Sing:
Date: 10/6/20

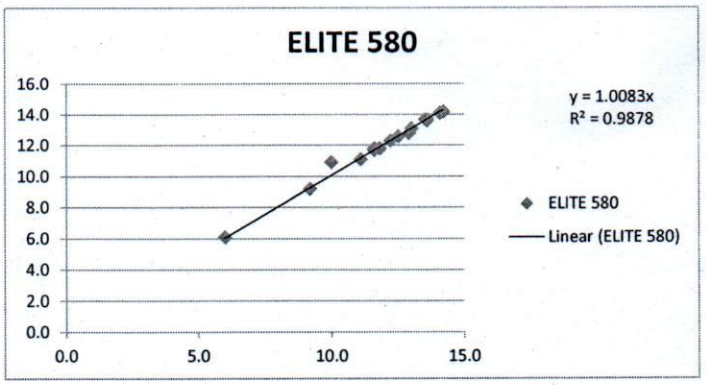
INSTITUTE NAME DR B LAL CLINICAL LABORATORY

Instrument Serial Number:_____ K11051912060

Inter Instrument Comparison-HGB

Date performed:

SID NO.	XS	ELITE 580	% BIAS
85001330	13.0	13.1	-0.8
85001329	13.5	13.7	-1.5
85001325	11.6	11.8	-1.7
85001323	10.0	10.9	-8.3
85001321	12.2	12.3	-0.8
85001318	12.2	12.3	-0.8
85001316	9.2	9.2	0.0
85001315	6.0	6.1	-1.6
85001313	11.1	11.1	0.0
85001310	13.6	13.6	0.0
85001309	11.8	11.8	0.0
85001306	14.1	14.1	0.0
85001304	12.5	12.6	-0.8
96000205	14.2	14.2	0.0
96000206	13.6	13.7	-0.7
85001303	12.5	12.6	-0.8
85001317	11.6	11.7	-0.9
85001300	12.9	12.8	0.8



Company Representative
Sing:
Date: 10-6-2020

Customer Authorization
Sing:
Date: 10/6/2020

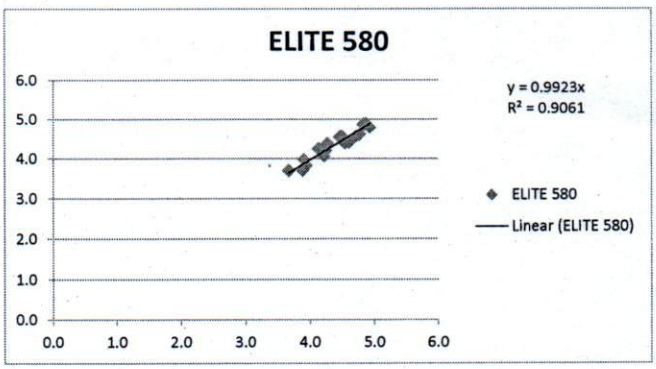
INSTITUTE NAME DR B LAL CLINCAL LABORATORY

Instrument Serial Number:_____ K11051912060

Inter Instrument Comparison-RBC

Date performed:

SID NO.	XS	ELITE 580	% BIAS
85001330	4.8	4.9	-0.8
85001329	4.5	4.6	-2.0
85001325	3.9	4.0	-1.5
85001323	4.3	4.4	-2.1
85001321	4.3	4.4	-2.7
85001318	4.5	4.6	-1.5
85001316	4.1	4.3	-2.8
85001315	4.2	4.2	1.0
85001313	3.9	3.8	2.9
85001310	4.9	4.9	-0.6
85001309	4.9	4.8	2.9
85001306	4.8	4.6	3.2
85001304	4.2	4.1	3.4
96000205	4.6	4.4	4.3
96000206	4.5	4.4	3.2
85001303	3.9	3.7	4.9
85001317	4.7	4.6	3.1
85001300	3.7	3.7	-0.8



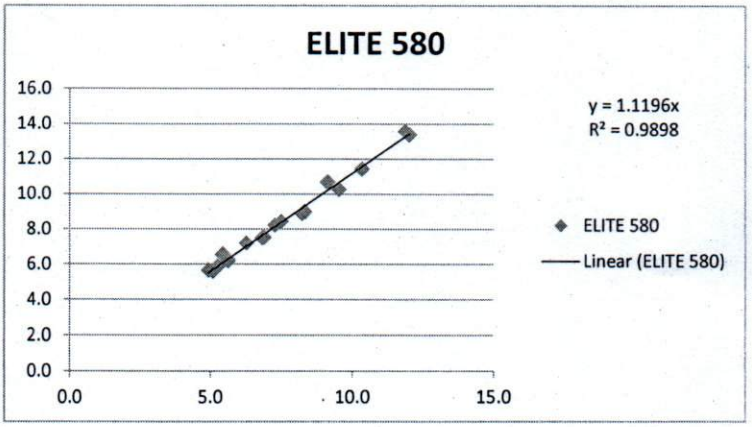
Company Representative
Sing:
Date: 10-6-2020

Customer Authorization
Sing:
Date: 10/6/2020

INSTITUTE NAME DR B LAL CLINICAL LABORATORY

Instrument Serial Number:_____ K11051912060
Inter Instrument Comparison-WBC
Date performed:

SID NO.	XS	ELITE 580	% BIAS
85001330	11.9	13.6	-12.8
85001329	8.3	9.0	-7.6
85001325	6.3	7.2	-12.9
85001323	8.2	8.9	-7.5
85001321	12.0	13.4	-10.2
85001318	6.8	7.5	-8.9
85001316	5.3	5.9	-11.0
85001315	5.6	6.3	-10.4
85001313	6.9	7.6	-8.9
85001310	5.4	6.6	-17.5
85001309	9.1	10.7	-14.8
85001306	5.1	5.6	-9.1
85001304	5.6	6.2	-9.8
96000205	4.9	5.7	-13.2
96000205	10.3	11.4	-9.7
85001303	7.3	8.2	-11.7
85001317	9.5	10.3	-7.2
85001300	7.5	8.5	-11.2



TRANSASIA BIO-MEDICALS LTD. -2020

10/6/2020

Lab Serial No.	: **852006000413**	SIN No., Date	: **85001330** 10-Jun-20 01:16 PM
Patient Name	: **Mr. ISHAK MOHAMMAD 20001515**	Sample collection date	: 10-Jun-2020 01:16 PM
Referred by	: **Dr. G.L.Rathi**	Report Date	: 10-Jun-2020 01:38PM
Age/Gender	: 30 YRS / M	Report printed on	: 10-Jun-2020 02:43PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	13.1	g/dL	13.0-17.0
Haematocrit (HCT)	**38.7**	%	40-50
Red Blood Cell Count (RBC)	4.83	million/mm3	4.5-5.5
Mean Corposcular Volume (MCV)	**80.1**	fL	83-101
Mean Corposcular Haemoglobin (MCH)	27.1	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	33.9	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	**14.7**	%	11.8-14.5
Total Leucocyte Count (TLC)	**11.85**	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	**73.8**	%	42-72
Lymphocytes	**14.7**	%	25-45
Eosinophils	**0.6**	%	1-6
Monocytes	**10.8**	%	2-10
Basophils	0.1	%	<2
Absolute Leucocyte Count			
Neutrophils	**8.75**	1000/mm3	2.0-7.0
Lymphocytes.	1.74	1000/mm3	1.0-3.0
Eosinophils.	0.07	1000/mm3	0.05-0.50
Monocytes.	**1.28**	1000/mm3	0.2-1.0
Basophils.	**0.01**	1000/mm3	0.02-0.2
Platelet count	3.29	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	**12.3**	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000412**	SIN No., Date	: **85001329** 10-Jun-20 01:11 PM
Patient Name	: **Mrs. ANITA DEVI 20001509**	Sample collection date	: 10-Jun-2020 01:11 PM
Referred by	: **Dr. Jitendra Kacholia**	Report Date	: 10-Jun-2020 01:32PM
Age/Gender	: 38 YRS / F	Report printed on	: 10-Jun-2020 02:42PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	13.7	g/dL	12.0-15.0
Haematocrit (HCT)	39.3	%	37-46
Red Blood Cell Count (RBC)	4.46	million/mm3	3.8-4.8
Mean Corposcular Volume (MCV)	88.1	fL	83-101
Mean Corposcular Haemoglobin (MCH)	30.7	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	**34.9**	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	14.2	%	12.2-16.1
Total Leucocyte Count (TLC)	8.33	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	56.6	%	42-72
Lymphocytes	32.9	%	25-45
Eosinophils	2.8	%	1-6
Monocytes	7.2	%	2-10
Basophils	0.5	%	<2
Absolute Leucocyte Count			
Neutrophils	4.72	1000/mm3	2.0-7.0
Lymphocytes.	2.74	1000/mm3	1.0-3.0
Eosinophils.	0.23	1000/mm3	0.05-0.50
Monocytes.	0.60	1000/mm3	0.2-1.0
Basophils.	0.04	1000/mm3	0.02-0.2
Platelet count	3.21	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	9.4	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000408**	SIN No.; Date	: **85001325** 10-Jun-20 12:39 PM
Patient Name	: **Mrs. NAJMA 20001504**	Sample collection date	: 10-Jun-2020 12:39 PM
Referred by	: **Dr. Jitendra Kacholia**	Report Date	: 10-Jun-2020 01:04PM
Age/Gender	: 30 YRS / F	Report printed on	: 10-Jun-2020 02:41PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	**11.8**	g/dL	12.0-15.0
Haematocrit (HCT)	**33.8**	%	37-46
Red Blood Cell Count (RBC)	3.91	million/mm3	3.8-4.8
Mean Corposcular Volume (MCV)	86.4	fL	83-101
Mean Corposcular Haemoglobin (MCH)	30.2	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	**34.9**	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	12.7	%	12.2-16.1
Total Leucocyte Count (TLC)	6.27	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	51.9	%	42-72
Lymphocytes	35.1	%	25-45
Eosinophils	4.9	%	1-6
Monocytes	7.8	%	2-10
Basophils	0.3	%	<2
Absolute Leucocyte Count			
Neutrophils	3.25	1000/mm3	2.0-7.0
Lymphocytes.	2.20	1000/mm3	1.0-3.0
Eosinophils.	0.31	1000/mm3	0.05-0.50
Monocytes.	0.49	1000/mm3	0.2-1.0
Basophils.	0.02	1000/mm3	0.02-0.2
Platelet count	3.19	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	10.3	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000406**	SIN No., Date	: **85001323** 10-Jun-20 12:31 PM
Patient Name	: **Ms. ALVEERA KHANAM 20001506**	Sample collection date	: 10-Jun-2020 12:31 PM
Referred by	: **Dr. Jitendra Kacholia**	Report Date	: 10-Jun-2020 12:52PM
Age/Gender	: 10 YRS / F	Report printed on	: 10-Jun-2020 02:41PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	**10.9**	g/dL	11.5-15.5
Haematocrit (HCT)	**32.3**	%	35-45
Red Blood Cell Count (RBC)	4.28	million/mm3	4.0-5.2
Mean Corposcular Volume (MCV)	**75.5**	fL	77-95
Mean Corposcular Haemoglobin (MCH)	25.5	pg	25-33
Mean Corposcular Haemoglobin Conc.(MCHC)	33.7	g/dL	31-37
Red Cell Distribution Width (RDWcv)	**14.1**	%	11.4-13.5
Total Leucocyte Count (TLC)	8.22	1000/mm3	5.0-13.0
Differential Leucocyte Count			
Segmented Neutrophils	**36.7**	%	38-68
Lymphocytes	50.7	%	25-54
Eosinophils	5.2	%	1-6
Monocytes	6.9	%	2-10
Basophils	0.5	%	<2
Absolute Leucocyte Count			
Neutrophils	3.01	1000/mm3	1.5-8.5
Lymphocytes.	4.17	1000/mm3	1.5-6.5
Eosinophils.	0.43	1000/mm3	0.0-0.50
Monocytes.	0.57	1000/mm3	0.2-1.0
Basophils.	0.04	1000/mm3	0.02-0.2
Platelet count	3.76	Lakhs/cumm.	1.8-4.0
Mean Platelet Volume (MPV)	9.3	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000404**	SIN No., Date	: **85001321** 10-Jun-20 12:20 PM
Patient Name	: **Mrs. LICHAMI 18082792**	Sample collection date	: 10-Jun-2020 12:20 PM
Referred by	: **Dr. Anita Rathi**	Report Date	: 10-Jun-2020 12:52PM
Age/Gender	: 25 YRS / F	Report printed on	: 10-Jun-2020 02:41PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	**10.1**	g/dL	12.0-15.0
Haematocrit (HCT)	**30.7**	%	37-46
Red Blood Cell Count (RBC)	4.27	million/mm3	3.8-4.8
Mean Corposcular Volume (MCV)	**71.9**	fL	83-101
Mean Corposcular Haemoglobin (MCH)	**23.7**	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	32.9	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	**23.0**	%	12.2-16.1
Total Leucocyte Count (TLC)	**12.02**	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	**75.0**	%	42-72
Lymphocytes	**19.7**	%	25-45
Eosinophils	**0.7**	%	1-6
Monocytes	4.4	%	2-10
Basophils	0.2	%	<2
Absolute Leucocyte Count			
Neutrophils	**9.02**	1000/mm3	2.0-7.0
Lymphocytes.	2.37	1000/mm3	1.0-3.0
Eosinophils.	0.08	1000/mm3	0.05-0.50
Monocytes.	0.53	1000/mm3	0.2-1.0
Basophils.	0.02	1000/mm3	0.02-0.2
Platelet count	2.83	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	9.9	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000401**	SIN No., Date	: **85001318** 10-Jun-20 11:32 AM
Patient Name	: **Mrs. RUKSANA 2001497**	Sample collection date	: 10-Jun-2020 11:32 AM
Referred by	: **Dr. G.L.Rathi**	Report Date	: 10-Jun-2020 12:00PM
Age/Gender	: 30 YRS / F	Report printed on	: 10-Jun-2020 02:40PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	12.3	g/dL	12.0-15.0
Haematocrit (HCT)	**35.4**	%	37-46
Red Blood Cell Count (RBC)	4.49	million/mm3	3.8-4.8
Mean Corposcular Volume (MCV)	**78.8**	fL	83-101
Mean Corposcular Haemoglobin (MCH)	27.4	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	**34.7**	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	14.9	%	12.2-16.1
Total Leucocyte Count (TLC)	6.84	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	57.7	%	42-72
Lymphocytes	31.3	%	25-45
Eosinophils	4.5	%	1-6
Monocytes	5.8	%	2-10
Basophils	0.7	%	<2
Absolute Leucocyte Count			
Neutrophils	3.94	1000/mm3	2.0-7.0
Lymphocytes.	2.14	1000/mm3	1.0-3.0
Eosinophils.	0.31	1000/mm3	0.05-0.50
Monocytes.	0.40	1000/mm3	0.2-1.0
Basophils.	0.05	1000/mm3	0.02-0.2
Platelet count	**4.19**	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	10.2	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000399**	SIN No., Date	: **85001316** 10-Jun-20 11:22 AM
Patient Name	: **Mrs. RUKSANA 20000603**	Sample collection date	: 10-Jun-2020 11:22 AM
Referred by	: **Dr. Anita Rathi**	Report Date	: 10-Jun-2020 12:00PM
Age/Gender	: 35 YRS / F	Report printed on	: 10-Jun-2020 02:40PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	**9.2**	g/dL	12.0-15.0
Haematocrit (HCT)	**30.3**	%	37-46
Red Blood Cell Count (RBC)	4.13	million/mm3	3.8-4.8
Mean Corposcular Volume (MCV)	**73.4**	fL	83-101
Mean Corposcular Haemoglobin (MCH)	**22.3**	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	**30.4**	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	**17.7**	%	12.2-16.1
Total Leucocyte Count (TLC)	5.26	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	56.0	%	42-72
Lymphocytes	32.9	%	25-45
Eosinophils	1.9	%	1-6
Monocytes	8.6	%	2-10
Basophils	0.6	%	<2
Absolute Leucocyte Count			
Neutrophils	2.95	1000/mm3	2.0-7.0
Lymphocytes.	1.73	1000/mm3	1.0-3.0
Eosinophils.	0.10	1000/mm3	0.05-0.50
Monocytes.	0.45	1000/mm3	0.2-1.0
Basophils.	0.03	1000/mm3	0.02-0.2
Platelet count	1.54	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	**11.9**	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000398**	SIN No., Date	: **85001315** 10-Jun-20 11:16 AM
Patient Name	: **Mrs. NAJMA BANO 20001500**	Sample collection date	: 10-Jun-2020 11:16 AM
Referred by	: **Dr. Divya Kacholia**	Report Date	: 10-Jun-2020 12:00PM
Age/Gender	: 40 YRS / F	Report printed on	: 10-Jun-2020 02:40PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	**6.1**	g/dL	12.0-15.0
Haematocrit (HCT)	**22.3**	%	37-46
Red Blood Cell Count (RBC)	4.24	million/mm3	3.8-4.8
Mean Corposcular Volume (MCV)	**52.6**	fL	83-101
Mean Corposcular Haemoglobin (MCH)	**14.4**	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	**27.4**	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	**22.1**	%	12.2-16.1
Total Leucocyte Count (TLC)	5.61	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	70.4	%	42-72
Lymphocytes	**22.3**	%	25-45
Eosinophils	**0.5**	%	1-6
Monocytes	6.1	%	2-10
Basophils	0.7	%	<2
Absolute Leucocyte Count			
Neutrophils	3.95	1000/mm3	2.0-7.0
Lymphocytes.	1.25	1000/mm3	1.0-3.0
Eosinophils.	**0.03**	1000/mm3	0.05-0.50
Monocytes.	0.34	1000/mm3	0.2-1.0
Basophils.	0.04	1000/mm3	0.02-0.2
Platelet count	**5.34**	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	9.1	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000396**	SIN No., Date	: **85001313** 10-Jun-20 11:13 AM
Patient Name	: **Mrs. KISMAT BANO 19021808**	Sample collection date	: 10-Jun-2020 11:13 AM
Referred by	: **Dr. Ankush Rathi**	Report Date	: 10-Jun-2020 12:00PM
Age/Gender	: 38 YRS / F	Report printed on	: 10-Jun-2020 02:39PM
Source BY	:		

HAEMATOLOGY

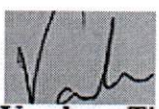
Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	**11.1**	g/dL	12.0-15.0
Haematocrit (HCT)	**34.1**	%	37-46
Red Blood Cell Count (RBC)	3.83	million/mm3	3.8-4.8
Mean Corposcular Volume (MCV)	89.0	fL	83-101
Mean Corposcular Haemoglobin (MCH)	29.0	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	32.6	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	14.3	%	12.2-16.1
Total Leucocyte Count (TLC)	6.88	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	53.4	%	42-72
Lymphocytes	31.5	%	25-45
Eosinophils	1.0	%	1-6
Monocytes	**13.5**	%	2-10
Basophils	0.6	%	<2
Absolute Leucocyte Count			
Neutrophils	3.67	1000/mm3	2.0-7.0
Lymphocytes.	2.17	1000/mm3	1.0-3.0
Eosinophils.	0.07	1000/mm3	0.05-0.50
Monocytes.	0.93	1000/mm3	0.2-1.0
Basophils.	0.04	1000/mm3	0.02-0.2
Platelet count	**4.51**	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	10.0	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director



Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000393**	SIN No., Date	: **85001310** 10-Jun-20 10:57 AM
Patient Name	: **Mr. TEJPAL SAINI 20001485**	Sample collection date	: 10-Jun-2020 10:57 AM
Referred by	: **Dr. G.L.Rathi**	Report Date	: 10-Jun-2020 12:08PM
Age/Gender	: 35 YRS / M	Report printed on	: 10-Jun-2020 02:39PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	13.6	g/dL	13.0-17.0
Haematocrit (HCT)	40.0	%	40-50
Red Blood Cell Count (RBC)	4.75	million/mm3	4.5-5.5
Mean Corposcular Volume (MCV)	84.2	fL	83-101
Mean Corposcular Haemoglobin (MCH)	28.6	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	34.0	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	**15.2**	%	11.8-14.5
Total Leucocyte Count (TLC)	5.43	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	58.1	%	42-72
Lymphocytes	32.6	%	25-45
Eosinophils	1.5	%	1-6
Monocytes	7.6	%	2-10
Basophils	0.2	%	<2
Absolute Leucocyte Count			
Neutrophils	3.16	1000/mm3	2.0-7.0
Lymphocytes.	1.77	1000/mm3	1.0-3.0
Eosinophils.	0.08	1000/mm3	0.05-0.50
Monocytes.	0.41	1000/mm3	0.2-1.0
Basophils.	**0.01**	1000/mm3	0.02-0.2
Platelet count	**0.86**	Lakhs/cumm	1.5-4.0

few large platelets seen and counts are adequate on smear.(approximately 1.5L/cmm)

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000392**	SIN No., Date	: **85001309** 10-Jun-20 10:48 AM
Patient Name	: **Mrs. SANTOSH 2000324**	Sample collection date	: 10-Jun-2020 10:48 AM
Referred by	: **Dr. Ankush Rathi**	Report Date	: 10-Jun-2020 11:57AM
Age/Gender	: 63 YRS / F	Report printed on	: 10-Jun-2020 02:39PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	**11.8**	g/dL	12.0-15.0
Haematocrit (HCT)	**36.5**	%	37-46
Red Blood Cell Count (RBC)	4.79	million/mm3	3.8-4.8
Mean Corposcular Volume (MCV)	**76.2**	fL	83-101
Mean Corposcular Haemoglobin (MCH)	**24.6**	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	32.3	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	**16.9**	%	12.2-16.1
Total Leucocyte Count (TLC)	9.13	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	60.5	%	42-72
Lymphocytes	28.1	%	25-45
Eosinophils	3.3	%	1-6
Monocytes	7.9	%	2-10
Basophils	0.2	%	<2
Absolute Leucocyte Count			
Neutrophils	5.52	1000/mm3	2.0-7.0
Lymphocytes.	2.57	1000/mm3	1.0-3.0
Eosinophils.	0.30	1000/mm3	0.05-0.50
Monocytes.	0.72	1000/mm3	0.2-1.0
Basophils.	0.02	1000/mm3	0.02-0.2
Platelet count	3.83	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	**11.8**	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000389**	SIN No., Date	: **85001306** 10-Jun-20 10:27 AM
Patient Name	: **Mr. VIJENDRA SINGH RATHORE 20001488**	Sample collection date	: 10-Jun-2020 10:27 AM
Referred by	: **Dr. Jitendra Kacholia**	Report Date	: 10-Jun-2020 11:37AM
Age/Gender	: 28 YRS / M	Report printed on	: 10-Jun-2020 02:38PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	14.1	g/dL	13.0-17.0
Haematocrit (HCT)	40.2	%	40-50
Red Blood Cell Count (RBC)	4.62	million/mm3	4.5-5.5
Mean Corposcular Volume (MCV)	87.0	fL	83-101
Mean Corposcular Haemoglobin (MCH)	30.5	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	**35.1**	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	13.9	%	11.8-14.5
Total Leucocyte Count (TLC)	5.10	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	48.8	%	42-72
Lymphocytes	41.2	%	25-45
Eosinophils	1.8	%	1-6
Monocytes	7.8	%	2-10
Basophils	0.4	%	<2
Absolute Leucocyte Count			
Neutrophils	2.49	1000/mm3	2.0-7.0
Lymphocytes.	2.10	1000/mm3	1.0-3.0
Eosinophils.	0.09	1000/mm3	0.05-0.50
Monocytes.	0.40	1000/mm3	0.2-1.0
Basophils.	0.02	1000/mm3	0.02-0.2
Platelet count	3.18	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	9.7	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000387**	SIN No., Date	: **85001304** 10-Jun-20 10:14 AM
Patient Name	: **Mrs. AMREEN BANO 19012380**	Sample collection date	: 10-Jun-2020 10:14 AM
Referred by	: **Dr. Jitendra Kacholia**	Report Date	: 10-Jun-2020 11:37AM
Age/Gender	: 22 YRS / F	Report printed on	: 10-Jun-2020 02:38PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	12.6	g/dL	12.0-15.0
Haematocrit (HCT)	**35.4**	%	37-46
Red Blood Cell Count (RBC)	4.07	million/mm3	3.8-4.8
Mean Corposcular Volume (MCV)	87.0	fL	83-101
Mean Corposcular Haemoglobin (MCH)	31.0	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	**35.6**	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	13.7	%	12.2-16.1
Total Leucocyte Count (TLC)	5.62	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	56.2	%	42-72
Lymphocytes	33.8	%	25-45
Eosinophils	**0.5**	%	1-6
Monocytes	9.3	%	2-10
Basophils	0.2	%	<2
Absolute Leucocyte Count			
Neutrophils	3.16	1000/mm3	2.0-7.0
Lymphocytes.	1.90	1000/mm3	1.0-3.0
Eosinophils.	**0.03**	1000/mm3	0.05-0.50
Monocytes.	0.52	1000/mm3	0.2-1.0
Basophils.	**0.01**	1000/mm3	0.02-0.2
Platelet count	1.65	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	**13.0**	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **962006000072**	SIN No., Date	: **96000205** 10-Jun-20 08:05 AM
Patient Name	: **Mr. SHANKAR LAL PAREEK**	Sample collection date	: 10-Jun-2020 08:05 AM
Referred by	: **Dr. SELF**	Report Date	: 10-Jun-2020 11:46AM
Age/Gender	: 47 YRS / M	Report printed on	: 10-Jun-2020 02:50PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	14.2	g/dL	13.0-17.0
Haematocrit (HCT)	40.9	%	40-50
Red Blood Cell Count (RBC)	**4.41**	million/mm3	4.5-5.5
Mean Corposcular Volume (MCV)	92.7	fL	83-101
Mean Corposcular Haemoglobin (MCH)	**32.2**	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	**34.7**	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	12.8	%	11.8-14.5
Total Leucocyte Count (TLC)	4.92	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	50.7	%	42-72
Lymphocytes	34.3	%	25-45
Eosinophils	**6.1**	%	1-6
Monocytes	8.1	%	2-10
Basophils	0.8	%	<2
Absolute Leucocyte Count			
Neutrophils	2.49	1000/mm3	2.0-7.0
Lymphocytes.	1.69	1000/mm3	1.0-3.0
Eosinophils.	0.30	1000/mm3	0.05-0.50
Monocytes.	0.40	1000/mm3	0.2-1.0
Basophils.	0.04	1000/mm3	0.02-0.2
Platelet count	1.83	Lakhs/cumm	1.5-4.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **962006000073**	SIN No., Date	: **96000206** 10-Jun-20 08:19 AM
Patient Name	: **Mr. BHAGIRATH MAL**	Sample collection date	: 10-Jun-2020 08:19 AM
Referred by	: **Dr. R.M. MATHUR**	Report Date	: 10-Jun-2020 11:38AM
Age/Gender	: 65 YRS / M	Report printed on	: 10-Jun-2020 02:51PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	13.7	g/dL	13.0-17.0
Haematocrit (HCT)	**39.5**	%	40-50
Red Blood Cell Count (RBC)	**4.40**	million/mm3	4.5-5.5
Mean Corposcular Volume (MCV)	89.8	fL	83-101
Mean Corposcular Haemoglobin (MCH)	31.1	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	**34.7**	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	**15.0**	%	11.8-14.5
Total Leucocyte Count (TLC)	**10.33**	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	70.6	%	42-72
Lymphocytes	**18.7**	%	25-45
Eosinophils	1.3	%	1-6
Monocytes	9.1	%	2-10
Basophils	0.3	%	<2
Absolute Leucocyte Count			
Neutrophils	**7.30**	1000/mm3	2.0-7.0
Lymphocytes.	1.93	1000/mm3	1.0-3.0
Eosinophils.	0.13	1000/mm3	0.05-0.50
Monocytes.	0.94	1000/mm3	0.2-1.0
Basophils.	0.03	1000/mm3	0.02-0.2
Platelet count	1.52	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	**13.4**	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000386**	SIN No., Date	: **85001303** 10-Jun-20 10:00 AM
Patient Name	: **Mrs. MEERA DEVI 20001478**	Sample collection date	: 10-Jun-2020 10:00 AM
Referred by	: **Dr. Jitendra Kacholia**	Report Date	: 10-Jun-2020 11:37AM
Age/Gender	: 45 YRS / F	Report printed on	: 10-Jun-2020 02:34PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	12.6	g/dL	12.0-15.0
Haematocrit (HCT)	**36.4**	%	37-46
Red Blood Cell Count (RBC)	**3.71**	million/mm3	3.8-4.8
Mean Corposcular Volume (MCV)	98.1	fL	83-101
Mean Corposcular Haemoglobin (MCH)	**34.0**	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	**34.6**	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	**16.5**	%	12.2-16.1
Total Leucocyte Count (TLC)	7.27	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	52.2	%	42-72
Lymphocytes	36.0	%	25-45
Eosinophils	3.3	%	1-6
Monocytes	8.4	%	2-10
Basophils	0.1	%	<2
Absolute Leucocyte Count			
Neutrophils	3.79	1000/mm3	2.0-7.0
Lymphocytes.	2.62	1000/mm3	1.0-3.0
Eosinophils.	0.24	1000/mm3	0.05-0.50
Monocytes.	0.61	1000/mm3	0.2-1.0
Basophils.	**0.01**	1000/mm3	0.02-0.2
Platelet count	**1.22**	Lakhs/cumm	1.5-4.0
few large platelets seen and counts are adequate on smear.(approximately 1.8L/cmm)			
Mean Platelet Volume (MPV)	**13.2**	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000400**	SIN No., Date	: **85001317** 10-Jun-20 11:30 AM
Patient Name	: **Mrs. POOJA DEVI 18080096**	Sample collection date	: 10-Jun-2020 11:30 AM
Referred by	: **Dr. Anita Rathi**	Report Date	: 10-Jun-2020 12:01PM
Age/Gender	: 27 YRS / F	Report printed on	: 10-Jun-2020 02:32PM
Source BY	:		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	**11.7**	g/dL	12.0-15.0
Haematocrit (HCT)	**34.8**	%	37-46
Red Blood Cell Count (RBC)	4.57	million/mm3	3.8-4.8
Mean Corposcular Volume (MCV)	**76.1**	fL	83-101
Mean Corposcular Haemoglobin (MCH)	**25.6**	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	33.6	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	**16.8**	%	12.2-16.1
Total Leucocyte Count (TLC)	9.53	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	65.4	%	42-72
Lymphocytes	26.9	%	25-45
Eosinophils	**0.9**	%	1-6
Monocytes	6.7	%	2-10
Basophils	0.1	%	<2
Absolute Leucocyte Count			
Neutrophils	6.23	1000/mm3	2.0-7.0
Lymphocytes.	2.56	1000/mm3	1.0-3.0
Eosinophils.	0.09	1000/mm3	0.05-0.50
Monocytes.	0.64	1000/mm3	0.2-1.0
Basophils.	**0.01**	1000/mm3	0.02-0.2
Platelet count	3.14	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	**12.7**	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Lab Serial No.	: **852006000383**	SIN No., Date	: **85001300** 10-Jun-20 06:30 AM
Patient Name	: **Mr. KESHAR DEV 200001135**	Sample collection date	: 10-Jun-2020 06:30 AM
Referred by	: **Dr. JITENDRA KACHOLIA**	Report Date	: 10-Jun-2020 07:14AM
Age/Gender	: 66 YRS / M	Report printed on	: 10-Jun-2020 02:33PM
Source BY	: Night Hrs, Sikar		

HAEMATOLOGY

Test Name	Observation	Unit	Biological Ref. interval
COMPLETE BLOOD COUNT(CBC/HAEMOGRAM)			
Haemoglobin	**12.8**	g/dL	13.0-17.0
Haematocrit (HCT)	**35.3**	%	40-50
Red Blood Cell Count (RBC)	**3.51**	million/mm3	4.5-5.5
Mean Corposcular Volume (MCV)	100.6	fL	83-101
Mean Corposcular Haemoglobin (MCH)	**36.5**	pg	27-32
Mean Corposcular Haemoglobin Conc.(MCHC)	**36.3**	g/dL	31.5-34.5
Red Cell Distribution Width (RDWcv)	**17.1**	%	11.8-14.5
Total Leucocyte Count (TLC)	7.50	1000/mm3	4.0-10.0
Differential Leucocyte Count			
Segmented Neutrophils	69.9	%	42-72
Lymphocytes	**22.5**	%	25-45
Eosinophils	2.5	%	1-6
Monocytes	5.1	%	2-10
Basophils	0.0	%	<2
Absolute Leucocyte Count			
Neutrophils	5.24	1000/mm3	2.0-7.0
Lymphocytes.	1.69	1000/mm3	1.0-3.0
Eosinophils.	0.19	1000/mm3	0.05-0.50
Monocytes.	0.38	1000/mm3	0.2-1.0
Basophils.	**0.00**	1000/mm3	0.02-0.2
Platelet count	**1.15**	Lakhs/cumm	1.5-4.0
Mean Platelet Volume (MPV)	**13.3**	fL	7.8-11.0

Method : Tests done by EDTA sample on automated cell counter, based on Electrical Impedance,Cytochemistry, Spectrophotometry & Microscopy.

Remark: As per the recommendation of International Council for Standardization in Hematology,the differential leucocyte counts are additionally being reported as absolute numbers of each cell in per unit volume of blood.

*** End of report ***

r. B. Lal Gupta
D Microbiology
edical Director

Dr.Vandana Tiwari
MD Pathology

Mahipal Yadav
Technologist

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 85001330
Run Time: 2020/06/10 08:19
Diagnosis:

Parameter	Result		Ref. Range	Unit	Parameter	Result		Ref. Range	Unit
1 **WBC**	**13.59**	↑	**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.87**		**3.50-5.50**	**10^6/uL**
2 Neu%	74.4	↑	50.0-70.0	%	17 HGB	13.0		11.0-16.0	g/dL
3 Lym%	15.2	↓	20.0-40.0	%	18 HCT	38.7		37.0-54.0	%
4 Mon%	9.6		3.0-12.0	%	19 MCV	79.3	↓	80.0-100.0	fL
5 Eos%	0.5		0.5-5.0	%	20 MCH	26.6	↓	27.0-34.0	pg
6 Bas%	0.3		0.0-1.0	%	21 MCHC	33.6		32.0-36.0	g/dL
7 Neu#	10.11	↑	2.00-7.00	10^3/uL	22 RDW-CV	14.2		11.0-16.0	%
8 Lym#	2.07		0.80-4.00	10^3/uL	23 RDW-SD	40.3		35.0-56.0	fL
9 Mon#	1.30	↑	0.12-1.20	10^3/uL	**24 PLT**	**331**	↑	**100-300**	**10^3/uL**
10 Eos#	0.07		0.02-0.50	10^3/uL	25 MPV	12.2	↑	6.5-12.0	fL
11 Bas#	0.04		0.00-0.10	10^3/uL	26 PCT	0.404	↑	0.108-0.282	%
12 *ALY#	0.05		0.00-0.20	10^3/uL	27 P-LCR	41.4		11.0-45.0	%
13 *ALY%	0.4		0.0-2.0	%	28 P-LCC	137	↑	30-90	10^9/L
14 *LIC#	0.01		0.00-0.20	10^3/uL					
15 *LIC%	0.1		0.0-2.5	%					

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Operator: admin
Approver: service
Sampling Time: 2020/06/10 08:19
Delivery Time: 2020/06/10 08:19
Validated Time: 2020/06/10 08:38
Report Time: 2020/06/10 08:37
Remarks:

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID: 85001329

Sample ID: invalid2
Run Time: 2020/06/10 08:20
Diagnosis:

Parameter	Result	Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**9.02**	**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.55**	**3.50-5.50**	**10^6/uL**
2 Neu%	60.0	50.0-70.0	%	17 HGB	13.5	11.0-16.0	g/dL
3 Lym%	32.2	20.0-40.0	%	18 HCT	39.9	37.0-54.0	%
4 Mon%	5.1	3.0-12.0	%	19 MCV	87.7	80.0-100.0	fL
5 Eos%	2.5	0.5-5.0	%	20 MCH	29.7	27.0-34.0	pg
6 Bas%	0.2	0.0-1.0	%	21 MCHC	33.8	32.0-36.0	g/dL
7 Neu#	5.41	2.00-7.00	10^3/uL	22 RDW-CV	14.3	11.0-16.0	%
8 Lym#	2.90	0.80-4.00	10^3/uL	23 RDW-SD	44.5	35.0-56.0	fL
9 Mon#	0.46	0.12-1.20	10^3/uL	**24 PLT**	**324** ↑	**100-300**	**10^3/uL**
10 Eos#	0.23	0.02-0.50	10^3/uL	25 MPV	8.8	6.5-12.0	fL
11 Bas#	0.02	0.00-0.10	10^3/uL	26 PCT	0.284 ↑	0.108-0.282	%
12 *ALY#	0.08	0.00-0.20	10^3/uL	27 P-LCR	17.8	11.0-45.0	%
13 *ALY%	0.8	0.0-2.0	%	28 P-LCC	58	30-90	10^9/L
14 *LIC#	0.00	0.00-0.20	10^3/uL				
15 *LIC%	0.0	0.0-2.5	%				

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:20
Report Time: 2020/06/10 08:37

Operator: admin
Delivery Time: 2020/06/10 08:20
Remarks:

Approver: service
Validated Time: 2020/06/10 08:38

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 85001325
Run Time: 2020/06/10 08:18
Diagnosis:

Parameter	Result	Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**7.20**	**4.00-10.00**	**10^3/uL**	**16 RBC**	**3.97**	**3.50-5.50**	**10^6/uL**
2 Neu%	53.3	50.0-70.0	%	17 HGB	11.6	11.0-16.0	g/dL
3 Lym%	35.1	20.0-40.0	%	18 HCT	34.2 ↓	37.0-54.0	%
4 Mon%	7.0	3.0-12.0	%	19 MCV	86.0	80.0-100.0	fL
5 Eos%	4.3	0.5-5.0	%	20 MCH	29.3	27.0-34.0	pg
6 Bas%	0.3	0.0-1.0	%	21 MCHC	34.0	32.0-36.0	g/dL
7 Neu#	3.84	2.00-7.00	10^3/uL	22 RDW-CV	13.1	11.0-16.0	%
8 Lym#	2.53	0.80-4.00	10^3/uL	23 RDW-SD	40.2	35.0-56.0	fL
9 Mon#	0.50	0.12-1.20	10^3/uL	**24 PLT**	**336** ↑	**100-300**	**10^3/uL**
10 Eos#	0.31	0.02-0.50	10^3/uL	25 MPV	10.3	6.5-12.0	fL
11 Bas#	0.02	0.00-0.10	10^3/uL	26 PCT	0.347 ↑	0.108-0.282	%
12 *ALY#	0.07	0.00-0.20	10^3/uL	27 P-LCR	28.4	11.0-45.0	%
13 *ALY%	0.9	0.0-2.0	%	28 P-LCC	96 ↑	30-90	10^9/L
14 *LIC#	0.00	0.00-0.20	10^3/uL				
15 *LIC%	0.0	0.0-2.5	%				

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:18
Report Time: 2020/06/10 08:37

Operator: admin
Delivery Time: 2020/06/10 08:18
Remarks:

Approver: service
Validated Time: 2020/06/10 08:38

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 85001323
Run Time: 2020/06/10 08:18
Diagnosis:

Parameter	Result		Ref. Range	Unit	Parameter	Result		Ref. Range	Unit
1 WBC	**8.89**		**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.37**		**3.50-5.50**	**10^6/uL**
2 Neu%	38.5	↓	50.0-70.0	%	17 HGB	10.8	↓	11.0-16.0	g/dL
3 Lym%	51.0	↑	20.0-40.0	%	18 HCT	32.2	↓	37.0-54.0	%
4 Mon%	5.9		3.0-12.0	%	19 MCV	73.6	↓	80.0-100.0	fL
5 Eos%	4.3		0.5-5.0	%	20 MCH	24.8	↓	27.0-34.0	pg
6 Bas%	0.3		0.0-1.0	%	21 MCHC	33.7		32.0-36.0	g/dL
7 Neu#	3.42		2.00-7.00	10^3/uL	22 RDW-CV	14.5		11.0-16.0	%
8 Lym#	4.54	↑	0.80-4.00	10^3/uL	23 RDW-SD	38.1		35.0-56.0	fL
9 Mon#	0.52		0.12-1.20	10^3/uL	**24 PLT**	**385**	↑	**100-300**	**10^3/uL**
10 Eos#	0.38		0.02-0.50	10^3/uL	25 MPV	9.2		6.5-12.0	fL
11 Bas#	0.03		0.00-0.10	10^3/uL	26 PCT	0.354	↑	0.108-0.282	%
12 *ALY#	0.11		0.00-0.20	10^3/uL	27 P-LCR	19.8		11.0-45.0	%
13 *ALY%	1.2		0.0-2.0	%	28 P-LCC	76		30-90	10^9/L
14 *LIC#	0.00		0.00-0.20	10^3/uL					
15 *LIC%	0.0		0.0-2.5	%					

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Operator: admin
Approver: service
Sampling Time: 2020/06/10 08:18
Delivery Time: 2020/06/10 08:18
Validated Time: 2020/06/10 08:38
Report Time: 2020/06/10 08:37
Remarks:

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 85001321
Run Time: 2020/06/10 08:17
Diagnosis:

Parameter	Result		Ref. Range	Unit	Parameter	Result		Ref. Range	Unit
1 WBC	**13.39**	↑	**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.39**		**3.50-5.50**	**10^6/uL**
2 Neu%	76.0	↑	50.0-70.0	%	17 HGB	10.0	↓	11.0-16.0	g/dL
3 Lym%	19.5	↓	20.0-40.0	%	18 HCT	30.9	↓	37.0-54.0	%
4 Mon%	3.8		3.0-12.0	%	19 MCV	70.4	↓	80.0-100.0	fL
5 Eos%	0.5		0.5-5.0	%	20 MCH	22.7	↓	27.0-34.0	pg
6 Bas%	0.2		0.0-1.0	%	21 MCHC	32.3		32.0-36.0	g/dL
7 Neu#	10.17	↑	2.00-7.00	10^3/uL	22 RDW-CV	23.4	↑	11.0-16.0	%
8 Lym#	2.61		0.80-4.00	10^3/uL	23 RDW-SD	58.9	↑	35.0-56.0	fL
9 Mon#	0.51		0.12-1.20	10^3/uL	**24 PLT**	**304**	↑	**100-300**	**10^3/uL**
10 Eos#	0.07		0.02-0.50	10^3/uL	25 MPV	9.6		6.5-12.0	fL
11 Bas#	0.03		0.00-0.10	10^3/uL	26 PCT	0.293	↑	0.108-0.282	%
12 *ALY#	0.08		0.00-0.20	10^3/uL	27 P-LCR	24.5		11.0-45.0	%
13 *ALY%	0.6		0.0-2.0	%	28 P-LCC	74		30-90	10^9/L
14 *LIC#	0.01		0.00-0.20	10^3/uL					
15 *LIC%	0.0		0.0-2.5	%					

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Operator: admin
Approver: service
Sampling Time: 2020/06/10 08:17
Delivery Time: 2020/06/10 08:17
Validated Time: 2020/06/10 08:38
Report Time: 2020/06/10 08:37
Remarks:

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 85001318
Run Time: 2020/06/10 08:16
Diagnosis:

Parameter	Result	Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**7.51**	**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.56**	**3.50-5.50**	**10^6/uL**
2 Neu%	58.5	50.0-70.0	%	17 HGB	12.2	11.0-16.0	g/dL
3 Lym%	32.4	20.0-40.0	%	18 HCT	35.9 ↓	37.0-54.0	%
4 Mon%	4.7	3.0-12.0	%	19 MCV	78.8 ↓	80.0-100.0	fL
5 Eos%	4.2	0.5-5.0	%	20 MCH	26.7 ↓	27.0-34.0	pg
6 Bas%	0.2	0.0-1.0	%	21 MCHC	33.9	32.0-36.0	g/dL
7 Neu#	4.39	2.00-7.00	10^3/uL	22 RDW-CV	14.8	11.0-16.0	%
8 Lym#	2.43	0.80-4.00	10^3/uL	23 RDW-SD	41.6	35.0-56.0	fL
9 Mon#	0.35	0.12-1.20	10^3/uL	**24 PLT**	**411** ↑	**100-300**	**10^3/uL**
10 Eos#	0.32	0.02-0.50	10^3/uL	25 MPV	10.2	6.5-12.0	fL
11 Bas#	0.02	0.00-0.10	10^3/uL	26 PCT	0.422 ↑	0.108-0.282	%
12 *ALY#	0.07	0.00-0.20	10^3/uL	27 P-LCR	27.2	11.0-45.0	%
13 *ALY%	0.9	0.0-2.0	%	28 P-LCC	112 ↑	30-90	10^9/L
14 *LIC#	0.01	0.00-0.20	10^3/uL				
15 *LIC%	0.1	0.0-2.5	%				

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Operator: admin
Approver: service
Sampling Time: 2020/06/10 08:16
Delivery Time: 2020/06/10 08:16
Validated Time: 2020/06/10 08:38
Report Time: 2020/06/10 08:37
Remarks:

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID: 85001316

Sample ID: invalid1
Run Time: 2020/06/10 08:14
Diagnosis:

Parameter	Result	Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**5.91**	**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.25**	**3.50-5.50**	**10^6/uL**
2 Neu%	55.4	50.0-70.0	%	17 HGB	9.2 ↓	11.0-16.0	g/dL
3 Lym%	35.5	20.0-40.0	%	18 HCT	29.9 ↓	37.0-54.0	%
4 Mon%	7.7	3.0-12.0	%	19 MCV	70.5 ↓	80.0-100.0	fL
5 Eos%	1.2	0.5-5.0	%	20 MCH	21.6 ↓	27.0-34.0	pg
6 Bas%	0.2	0.0-1.0	%	21 MCHC	30.7 ↓	32.0-36.0	g/dL
7 Neu#	3.27	2.00-7.00	10^3/uL	22 RDW-CV	17.9 ↑	11.0-16.0	%
8 Lym#	2.10	0.80-4.00	10^3/uL	23 RDW-SD	45.2	35.0-56.0	fL
9 Mon#	0.46	0.12-1.20	10^3/uL	**24 PLT**	**163**	**100-300**	**10^3/uL**
10 Eos#	0.07	0.02-0.50	10^3/uL	25 MPV	12.1 ↑	6.5-12.0	fL
11 Bas#	0.01	0.00-0.10	10^3/uL	26 PCT	0.198	0.108-0.282	%
12 *ALY#	0.03	0.00-0.20	10^3/uL	27 P-LCR	41.2	11.0-45.0	%
13 *ALY%	0.5	0.0-2.0	%	28 P-LCC	67	30-90	10^9/L
14 *LIC#	0.00	0.00-0.20	10^3/uL				
15 *LIC%	0.0	0.0-2.5	%				

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:14
Report Time: 2020/06/10 08:37

Operator: admin
Delivery Time: 2020/06/10 08:14
Remarks:

Approver: service
Validated Time: 2020/06/10 08:38

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 85001315
Run Time: 2020/06/10 08:13
Diagnosis:

Parameter	Result		Ref. Range	Unit	Parameter	Result		Ref. Range	Unit
1 WBC	**6.26**		**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.44**		**3.50-5.50**	**10^6/uL**
2 Neu%	71.6	↑	50.0-70.0	%	17 HGB	6.0	↓	11.0-16.0	g/dL
3 Lym%	23.4		20.0-40.0	%	18 HCT	22.2	↓	37.0-54.0	%
4 Mon%	4.7		3.0-12.0	%	19 MCV	49.9	↓	80.0-100.0	fL
5 Eos%	0.1	↓	0.5-5.0	%	20 MCH	13.6	↓	27.0-34.0	pg
6 Bas%	0.2		0.0-1.0	%	21 MCHC	27.3	↓	32.0-36.0	g/dL
7 Neu#	4.49		2.00-7.00	10^3/uL	22 RDW-CV	21.1	↑	11.0-16.0	%
8 Lym#	1.46		0.80-4.00	10^3/uL	23 RDW-SD	37.8		35.0-56.0	fL
9 Mon#	0.29		0.12-1.20	10^3/uL	**24 PLT**	**530**	↑	**100-300**	**10^3/uL**
10 Eos#	0.01	↓	0.02-0.50	10^3/uL	25 MPV	8.8		6.5-12.0	fL
11 Bas#	0.01		0.00-0.10	10^3/uL	26 PCT	0.467	↑	0.108-0.282	%
12 *ALY#	0.02		0.00-0.20	10^3/uL	27 P-LCR	19.5		11.0-45.0	%
13 *ALY%	0.3		0.0-2.0	%	28 P-LCC	103	↑	30-90	10^9/L
14 *LIC#	0.00		0.00-0.20	10^3/uL					
15 *LIC%	0.0		0.0-2.5	%					

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:13
Report Time: 2020/06/10 08:37

Operator: admin
Delivery Time: 2020/06/10 08:13
Remarks:

Approver: service
Validated Time: 2020/06/10 08:38

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 85001313
Run Time: 2020/06/10 08:13
Diagnosis:

Parameter	Result	Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**7.55**	**4.00-10.00**	**10^3/uL**	**16 RBC**	**3.94**	**3.50-5.50**	**10^6/uL**
2 Neu%	53.7	50.0-70.0	%	17 HGB	11.1	11.0-16.0	g/dL
3 Lym%	33.8	20.0-40.0	%	18 HCT	34.2 ↓	37.0-54.0	%
4 Mon%	11.5	3.0-12.0	%	19 MCV	86.6	80.0-100.0	fL
5 Eos%	0.5	0.5-5.0	%	20 MCH	28.0	27.0-34.0	pg
6 Bas%	0.5	0.0-1.0	%	21 MCHC	32.4	32.0-36.0	g/dL
7 Neu#	4.05	2.00-7.00	10^3/uL	22 RDW-CV	15.0	11.0-16.0	%
8 Lym#	2.55	0.80-4.00	10^3/uL	23 RDW-SD	46.4	35.0-56.0	fL
9 Mon#	0.87	0.12-1.20	10^3/uL	**24 PLT**	**468** ↑	**100-300**	**10^3/uL**
10 Eos#	0.04	0.02-0.50	10^3/uL	25 MPV	9.6	6.5-12.0	fL
11 Bas#	0.04	0.00-0.10	10^3/uL	26 PCT	0.452 ↑	0.108-0.282	%
12 *ALY#	0.04	0.00-0.20	10^3/uL	27 P-LCR	23.1	11.0-45.0	%
13 *ALY%	0.5	0.0-2.0	%	28 P-LCC	108 ↑	30-90	10^9/L
14 *LIC#	0.02	0.00-0.20	10^3/uL				
15 *LIC%	0.3	0.0-2.5	%				

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:13
Report Time: 2020/06/10 08:37

Operator: admin
Delivery Time: 2020/06/10 08:13
Remarks:

Approver: service
Validated Time: 2020/06/10 08:38

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 85001310
Run Time: 2020/06/10 08:12
Diagnosis:

Parameter	Result		Ref. Range	Unit	Parameter	Result		Ref. Range	Unit
1 WBC	**6.58**		**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.87**		**3.50-5.50**	**10^6/uL**
2 Neu%	51.8		50.0-70.0	%	17 HGB	13.6		11.0-16.0	g/dL
3 Lym%	41.2	↑	20.0-40.0	%	18 HCT	40.9		37.0-54.0	%
4 Mon%	5.8		3.0-12.0	%	19 MCV	84.0		80.0-100.0	fL
5 Eos%	1.0		0.5-5.0	%	20 MCH	27.9		27.0-34.0	pg
6 Bas%	0.2		0.0-1.0	%	21 MCHC	33.2		32.0-36.0	g/dL
7 Neu#	3.41		2.00-7.00	10^3/uL	22 RDW-CV	15.3		11.0-16.0	%
8 Lym#	2.71		0.80-4.00	10^3/uL	23 RDW-SD	45.9		35.0-56.0	fL
9 Mon#	0.38		0.12-1.20	10^3/uL	**24 PLT**	**81**	↓	**100-300**	**10^3/uL**
10 Eos#	0.07		0.02-0.50	10^3/uL	25 MPV	14.8	↑	6.5-12.0	fL
11 Bas#	0.01		0.00-0.10	10^3/uL	26 PCT	0.120		0.108-0.282	%
12 *ALY#	0.06		0.00-0.20	10^3/uL	27 P-LCR	59.5	↑	11.0-45.0	%
13 *ALY%	0.9		0.0-2.0	%	28 P-LCC	48		30-90	10^9/L
14 *LIC#	0.00		0.00-0.20	10^3/uL					
15 *LIC%	0.0		0.0-2.5	%					

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Operator: admin
Approver: service
Sampling Time: 2020/06/10 08:12
Delivery Time: 2020/06/10 08:12
Validated Time: 2020/06/10 08:38
Report Time: 2020/06/10 08:38
Remarks:

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 85001309
Run Time: 2020/06/10 08:11
Diagnosis:

Parameter	Result	Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**10.73** ↑	**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.93**	**3.50-5.50**	**10^6/uL**
2 Neu%	60.5	50.0-70.0	%	17 HGB	11.8	11.0-16.0	g/dL
3 Lym%	29.7	20.0-40.0	%	18 HCT	37.0	37.0-54.0	%
4 Mon%	6.4	3.0-12.0	%	19 MCV	75.1 ↓	80.0-100.0	fL
5 Eos%	3.2	0.5-5.0	%	20 MCH	23.9 ↓	27.0-34.0	pg
6 Bas%	0.2	0.0-1.0	%	21 MCHC	31.8 ↓	32.0-36.0	g/dL
7 Neu#	6.49	2.00-7.00	10^3/uL	22 RDW-CV	16.5 ↑	11.0-16.0	%
8 Lym#	3.19	0.80-4.00	10^3/uL	23 RDW-SD	44.3	35.0-56.0	fL
9 Mon#	0.69	0.12-1.20	10^3/uL	**24 PLT**	**391** ↑	**100-300**	**10^3/uL**
10 Eos#	0.34	0.02-0.50	10^3/uL	25 MPV	11.9	6.5-12.0	fL
11 Bas#	0.02	0.00-0.10	10^3/uL	26 PCT	0.466 ↑	0.108-0.282	%
12 *ALY#	0.08	0.00-0.20	10^3/uL	27 P-LCR	39.4	11.0-45.0	%
13 *ALY%	0.8	0.0-2.0	%	28 P-LCC	154 ↑	30-90	10^9/L
14 *LIC#	0.05	0.00-0.20	10^3/uL				
15 *LIC%	0.5	0.0-2.5	%				

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:11
Report Time: 2020/06/10 08:38

Operator: admin
Delivery Time: 2020/06/10 08:11
Remarks:

Approver: service
Validated Time: 2020/06/10 08:38

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID: 85001306

Sample ID: invalid3
Run Time: 2020/06/10 08:23
Diagnosis:

Parameter	Result		Ref. Range	Unit	Parameter	Result		Ref. Range	Unit
1 WBC	**5.61**		**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.77**		**3.50-5.50**	**10^6/uL**
2 Neu%	49.2	↓	50.0-70.0	%	17 HGB	14.1		11.0-16.0	g/dL
3 Lym%	43.0	↑	20.0-40.0	%	18 HCT	41.6		37.0-54.0	%
4 Mon%	6.2		3.0-12.0	%	19 MCV	87.2		80.0-100.0	fL
5 Eos%	1.5		0.5-5.0	%	20 MCH	29.5		27.0-34.0	pg
6 Bas%	0.1		0.0-1.0	%	21 MCHC	33.8		32.0-36.0	g/dL
7 Neu#	2.76		2.00-7.00	10^3/uL	22 RDW-CV	14.2		11.0-16.0	%
8 Lym#	2.41		0.80-4.00	10^3/uL	23 RDW-SD	44.1		35.0-56.0	fL
9 Mon#	0.35		0.12-1.20	10^3/uL	**24 PLT**	**337**	↑	**100-300**	**10^3/uL**
10 Eos#	0.08		0.02-0.50	10^3/uL	25 MPV	10.1		6.5-12.0	fL
11 Bas#	0.01		0.00-0.10	10^3/uL	26 PCT	0.339	↑	0.108-0.282	%
12 *ALY#	0.07		0.00-0.20	10^3/uL	27 P-LCR	26.4		11.0-45.0	%
13 *ALY%	1.2		0.0-2.0	%	28 P-LCC	89		30-90	10^9/L
14 *LIC#	0.00		0.00-0.20	10^3/uL					
15 *LIC%	0.0		0.0-2.5	%					

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:23
Report Time: 2020/06/10 08:37

Operator: admin
Delivery Time: 2020/06/10 08:23
Remarks:

Approver: service
Validated Time: 2020/06/10 08:38

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID: 85001304

Sample ID: invalid4
Run Time: 2020/06/10 08:24
Diagnosis:

Parameter	Result	Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**6.23**	**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.21**	**3.50-5.50**	**10^6/uL**
2 Neu%	53.5	50.0-70.0	%	17 HGB	12.5	11.0-16.0	g/dL
3 Lym%	38.8	20.0-40.0	%	18 HCT	37.1	37.0-54.0	%
4 Mon%	7.0	3.0-12.0	%	19 MCV	88.2	80.0-100.0	fL
5 Eos%	0.5	0.5-5.0	%	20 MCH	29.8	27.0-34.0	pg
6 Bas%	0.2	0.0-1.0	%	21 MCHC	33.7	32.0-36.0	g/dL
7 Neu#	3.33	2.00-7.00	10^3/uL	22 RDW-CV	13.8	11.0-16.0	%
8 Lym#	2.42	0.80-4.00	10^3/uL	23 RDW-SD	43.6	35.0-56.0	fL
9 Mon#	0.44	0.12-1.20	10^3/uL	**24 PLT**	**172**	**100-300**	**10^3/uL**
10 Eos#	0.03	0.02-0.50	10^3/uL	25 MPV	13.1 ↑	6.5-12.0	fL
11 Bas#	0.01	0.00-0.10	10^3/uL	26 PCT	0.225	0.108-0.282	%
12 *ALY#	0.06	0.00-0.20	10^3/uL	27 P-LCR	48.8 ↑	11.0-45.0	%
13 *ALY%	1.0	0.0-2.0	%	28 P-LCC	84	30-90	10^9/L
14 *LIC#	0.00	0.00-0.20	10^3/uL				
15 *LIC%	0.1	0.0-2.5	%				

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Operator: admin
Approver: service
Sampling Time: 2020/06/10 08:24
Delivery Time: 2020/06/10 08:24
Validated Time: 2020/06/10 08:38
Report Time: 2020/06/10 08:37
Remarks:

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 96000205
Run Time: 2020/06/10 08:22
Diagnosis:

Parameter	Result		Ref. Range	Unit	Parameter	Result		Ref. Range	Unit
1 WBC	**5.67**		**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.60**		**3.50-5.50**	**10^6/uL**
2 Neu%	47.9	↓	50.0-70.0	%	17 HGB	14.2		11.0-16.0	g/dL
3 Lym%	39.9		20.0-40.0	%	18 HCT	42.6		37.0-54.0	%
4 Mon%	7.2		3.0-12.0	%	19 MCV	92.6		80.0-100.0	fL
5 Eos%	4.8		0.5-5.0	%	20 MCH	30.8		27.0-34.0	pg
6 Bas%	0.2		0.0-1.0	%	21 MCHC	33.3		32.0-36.0	g/dL
7 Neu#	2.72		2.00-7.00	10^3/uL	22 RDW-CV	13.3		11.0-16.0	%
8 Lym#	2.26		0.80-4.00	10^3/uL	23 RDW-SD	44.1		35.0-56.0	fL
9 Mon#	0.41		0.12-1.20	10^3/uL	**24 PLT**	**184**		**100-300**	**10^3/uL**
10 Eos#	0.27		0.02-0.50	10^3/uL	25 MPV	15.0	↑	6.5-12.0	fL
11 Bas#	0.01		0.00-0.10	10^3/uL	26 PCT	0.276		0.108-0.282	%
12 *ALY#	0.06		0.00-0.20	10^3/uL	27 P-LCR	61.4	↑	11.0-45.0	%
13 *ALY%	1.1		0.0-2.0	%	28 P-LCC	113	↑	30-90	10^9/L
14 *LIC#	0.00		0.00-0.20	10^3/uL					
15 *LIC%	0.0		0.0-2.5	%					

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Operator: admin
Approver: service
Sampling Time: 2020/06/10 08:22
Delivery Time: 2020/06/10 08:22
Validated Time: 2020/06/10 08:38
Report Time: 2020/06/10 08:37
Remarks:

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 96000206
Run Time: 2020/06/10 08:24
Diagnosis:

Parameter	Result		Ref. Range	Unit	Parameter	Result		Ref. Range	Unit
1 **WBC**	**11.44**	↑	**4.00-10.00**	**10^3/uL**	16 **RBC**	**4.54**		**3.50-5.50**	**10^6/uL**
2 Neu%	71.1	↑	50.0-70.0	%	17 HGB	13.6		11.0-16.0	g/dL
3 Lym%	19.9	↓	20.0-40.0	%	18 HCT	40.8		37.0-54.0	%
4 Mon%	8.4		3.0-12.0	%	19 MCV	89.9		80.0-100.0	fL
5 Eos%	0.4	↓	0.5-5.0	%	20 MCH	30.0		27.0-34.0	pg
6 Bas%	0.2		0.0-1.0	%	21 MCHC	33.4		32.0-36.0	g/dL
7 Neu#	8.13	↑	2.00-7.00	10^3/uL	22 RDW-CV	15.3		11.0-16.0	%
8 Lym#	2.28		0.80-4.00	10^3/uL	23 RDW-SD	48.8		35.0-56.0	fL
9 Mon#	0.96		0.12-1.20	10^3/uL	**24 PLT**	**146**		**100-300**	**10^3/uL**
10 Eos#	0.05		0.02-0.50	10^3/uL	25 MPV	12.4	↑	6.5-12.0	fL
11 Bas#	0.02		0.00-0.10	10^3/uL	26 PCT	0.181		0.108-0.282	%
12 *ALY#	0.03		0.00-0.20	10^3/uL	27 P-LCR	45.0		11.0-45.0	%
13 *ALY%	0.3		0.0-2.0	%	28 P-LCC	66		30-90	10^9/L
14 *LIC#	0.00		0.00-0.20	10^3/uL					
15 *LIC%	0.0		0.0-2.5	%					

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:24
Report Time: 2020/06/10 08:37

Operator: admin
Delivery Time: 2020/06/10 08:24
Remarks:

Approver: service
Validated Time: 2020/06/10 08:38

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 85001303
Run Time: 2020/06/10 08:21
Diagnosis:

Parameter	Result	Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**8.23**	**4.00-10.00**	**10^3/uL**	**16 RBC**	**3.89**	**3.50-5.50**	**10^6/uL**
2 Neu%	55.2	50.0-70.0	%	17 HGB	12.5	11.0-16.0	g/dL
3 Lym%	35.3	20.0-40.0	%	18 HCT	38.1	37.0-54.0	%
4 Mon%	6.7	3.0-12.0	%	19 MCV	97.9	80.0-100.0	fL
5 Eos%	2.6	0.5-5.0	%	20 MCH	32.2	27.0-34.0	pg
6 Bas%	0.2	0.0-1.0	%	21 MCHC	32.9	32.0-36.0	g/dL
7 Neu#	4.54	2.00-7.00	10^3/uL	22 RDW-CV	16.8 ↑	11.0-16.0	%
8 Lym#	2.91	0.80-4.00	10^3/uL	23 RDW-SD	58.9 ↑	35.0-56.0	fL
9 Mon#	0.55	0.12-1.20	10^3/uL	**24 PLT**	**128**	**100-300**	**10^3/uL**
10 Eos#	0.21	0.02-0.50	10^3/uL	25 MPV	13.2 ↑	6.5-12.0	fL
11 Bas#	0.02	0.00-0.10	10^3/uL	26 PCT	0.169	0.108-0.282	%
12 *ALY#	0.09	0.00-0.20	10^3/uL	27 P-LCR	48.6 ↑	11.0-45.0	%
13 *ALY%	1.0	0.0-2.0	%	28 P-LCC	62	30-90	10^9/L
14 *LIC#	0.00	0.00-0.20	10^3/uL				
15 *LIC%	0.0	0.0-2.5	%				

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:21
Report Time: 2020/06/10 08:37

Operator: admin
Delivery Time: 2020/06/10 08:21
Remarks:

Approver: service
Validated Time: 2020/06/10 08:38

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID:

Sample ID: 85001317
Run Time: 2020/06/10 08:15
Diagnosis:

Parameter	Result	Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**10.27** ↑	**4.00-10.00**	**10^3/uL**	**16 RBC**	**4.71**	**3.50-5.50**	**10^6/uL**
2 Neu%	65.1	50.0-70.0	%	17 HGB	11.6	11.0-16.0	g/dL
3 Lym%	29.2	20.0-40.0	%	18 HCT	35.3 ↓	37.0-54.0	%
4 Mon%	4.9	3.0-12.0	%	19 MCV	75.0 ↓	80.0-100.0	fL
5 Eos%	0.6	0.5-5.0	%	20 MCH	24.7 ↓	27.0-34.0	pg
6 Bas%	0.2	0.0-1.0	%	21 MCHC	32.9	32.0-36.0	g/dL
7 Neu#	6.69	2.00-7.00	10^3/uL	22 RDW-CV	16.8 ↑	11.0-16.0	%
8 Lym#	3.00	0.80-4.00	10^3/uL	23 RDW-SD	44.9	35.0-56.0	fL
9 Mon#	0.50	0.12-1.20	10^3/uL	**24 PLT**	**306** ↑	**100-300**	**10^3/uL**
10 Eos#	0.06	0.02-0.50	10^3/uL	25 MPV	12.7 ↑	6.5-12.0	fL
11 Bas#	0.02	0.00-0.10	10^3/uL	26 PCT	0.390 ↑	0.108-0.282	%
12 *ALY#	0.08	0.00-0.20	10^3/uL	27 P-LCR	45.2 ↑	11.0-45.0	%
13 *ALY%	0.7	0.0-2.0	%	28 P-LCC	138 ↑	30-90	10^9/L
14 *LIC#	0.00	0.00-0.20	10^3/uL				
15 *LIC%	0.0	0.0-2.5	%				

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Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Operator: admin
Approver: service
Sampling Time: 2020/06/10 08:15
Delivery Time: 2020/06/10 08:15
Validated Time: 2020/06/10 08:38
Report Time: 2020/06/10 08:37
Remarks:

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

DR. B LAL CLINICAL LABORATORY

First Name:
Last Name:
Gender:
Age:

Sample Type:
Department:
Patient ID: 85001300

Sample ID: invalid6
Run Time: 2020/06/10 08:26
Diagnosis:

Parameter	Result	Ref. Range	Unit	Parameter	Result	Ref. Range	Unit
1 WBC	**8.45**	**4.00-10.00**	**10^3/uL**	**16 RBC**	**3.67**	**3.50-5.50**	**10^6/uL**
2 Neu%	68.8	50.0-70.0	%	17 HGB	12.9	11.0-16.0	g/dL
3 Lym%	24.3	20.0-40.0	%	18 HCT	37.8	37.0-54.0	%
4 Mon%	4.7	3.0-12.0	%	19 MCV	103.1 ↑	80.0-100.0	fL
5 Eos%	2.0	0.5-5.0	%	20 MCH	35.2 ↑	27.0-34.0	pg
6 Bas%	0.2	0.0-1.0	%	21 MCHC	34.1	32.0-36.0	g/dL
7 Neu#	5.81	2.00-7.00	10^3/uL	22 RDW-CV	18.3 ↑	11.0-16.0	%
8 Lym#	2.05	0.80-4.00	10^3/uL	23 RDW-SD	67.7 ↑	35.0-56.0	fL
9 Mon#	0.40	0.12-1.20	10^3/uL	**24 PLT**	**112**	**100-300**	**10^3/uL**
10 Eos#	0.17	0.02-0.50	10^3/uL	25 MPV	12.8 ↑	6.5-12.0	fL
11 Bas#	0.02	0.00-0.10	10^3/uL	26 PCT	0.143	0.108-0.282	%
12 *ALY#	0.06	0.00-0.20	10^3/uL	27 P-LCR	46.4 ↑	11.0-45.0	%
13 *ALY%	0.7	0.0-2.0	%	28 P-LCC	52	30-90	10^9/L
14 *LIC#	0.00	0.00-0.20	10^3/uL				
15 *LIC%	0.0	0.0-2.5	%				

"*" means "Research use only, not for diagnostic use".

Sample Type:
Description:

Microscopic exam. Time:

Submitter:
Sampling Time: 2020/06/10 08:26
Report Time: 2020/06/10 08:37

Operator: admin
Delivery Time: 2020/06/10 08:26
Remarks:

Approver: service
Validated Time: 2020/06/10 08:38

***The Report is responsible for this sample only. If you have any questions,please contact us in 24 hours.**

Erba

ANALYSIS | REPORT | WORKLIST | QC | STATS | CAL | SERVICE | SETUP | LOG | STATUS | SELF-TEST

SAVE | PRINT

MANUAL | CALIBRATOR | FRESH BLOOD | HISTORY

Precision data

- (•) Blood Sample 1
- ( ) Blood Sample 2
- ( ) Blood Sample 3
- ( ) Blood Sample 4
- ( ) Blood Sample 5

CALCULATE

PARA	WBC	RBC	HGB	MCV	PLT
Target	8.34	4.87	13.5	81.5	233
1	8.88	5.03	13.4	83.4	225
2	8.88	5.08	13.5	83.6	231
3	8.96	5.04	13.6	83.7	216
4	8.89	5.02	13.4	83.6	227
5	8.82	4.99	13.4	83.9	226
6	8.95	4.98	13.5	83.8	223
7	8.89	5.02	13.5	83.4	228
8	8.89	4.93	13.4	83.9	221
9	9.09	4.97	13.3	83.5	220
10	8.85	5.01	13.4	83.8	225
Mean	8.910	5.007	13.44	83.66	224.2
CV(%)	0.8	0.8	0.6	0.2	1.9
Calibration Coefficient 1 (%)	93.60	97.26	100.45	97.42	103.93

BIO-MEDICAL TRANSASIA LTD.

10-6-20

Next Sample
User Calibration Count

Mode WB

MODE & ID | ADD DILUENT | START

Current user: admin

English (United States)

Wednesday 2020/06/10 05:58:05

Customer Name:	DR B LAL CLINICAL LABORATOTY PVT LTD
Address:	SIKAR

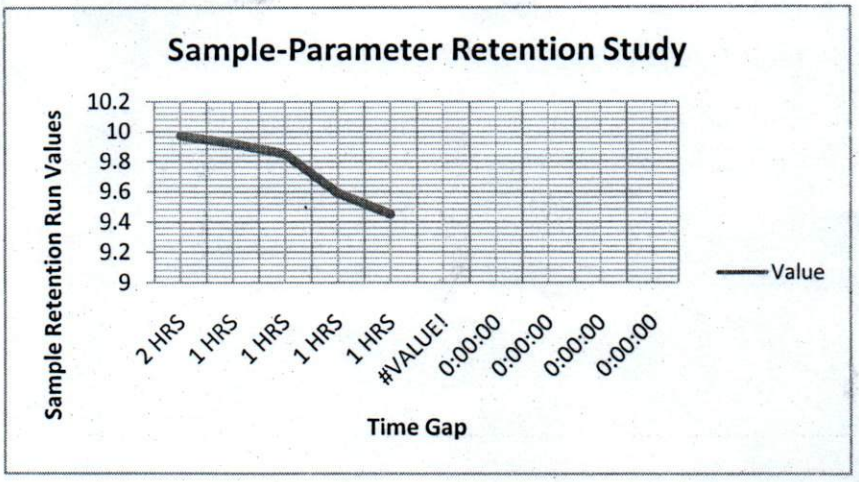
TBM Analyzer:	ELITE 580
Analyzer Sr. No.:	K11051912060
Installation Date:	10-Jun-20
S/W Version	
Study Name	Sample Retention

Doctor/ HoD Name:	
Engineer Name:	ICHCHHESH DESHWAL
Application Spl. Name:	Ankush jain

Sheet Name	Parameters	Sample Id.	Primary Run Value	Units	Primary Run Date & Time	Study start Date & Time	Mean	S.D	CV%
Parameter-1	WBC	85002150.000	8.950	10^3/ UL	7/1/2020 10:00	7/1/2020 12:00	9.76	0.23	2.31%
Parameter-2	RBC	85002150.000	3.71	10^3/ UL	7/1/2020 10:00	7/1/2020 12:00	3.746	0.013416408	0.003582
Parameter-3	HGB	85002150.000	11.2	G/DL	7/1/2020 10:00	7/1/2020 12:00	10.98	0.083666003	0.00762
Parameter-4	PLT	85002150.000	347	10^6/ UL	7/1/2020 10:00	7/1/2020 12:00	360.6	6.730527468	0.018665
Parameter-5	HCT	85002150.000	30.1	%	7/1/2020 10:00	7/1/2020 12:00	31.28	0.205	0.66
Parameter-6	HCT	85002150.000	30.1	%	7/1/2020 10:00	7/1/2020 12:00	31.28	0.205	0.66
Parameter-7									

TRANSASIA BIO-MEDICALS LTD.

Sample Id.	85002150
Parameter	WBC
Primary Sample Run Paramater Value	8.95
Units of Reporting	10^3/UL
Primary Sample Run Date & Time (Analyzer Processing Date & Time) from Raw Data	1-Jul-20
Sample Id. Input for Retention Study	85002150
Start Date & Time of Study (Analyzer Processing Date & Time) from Raw Data	1/7/2020 & 12.18 PM



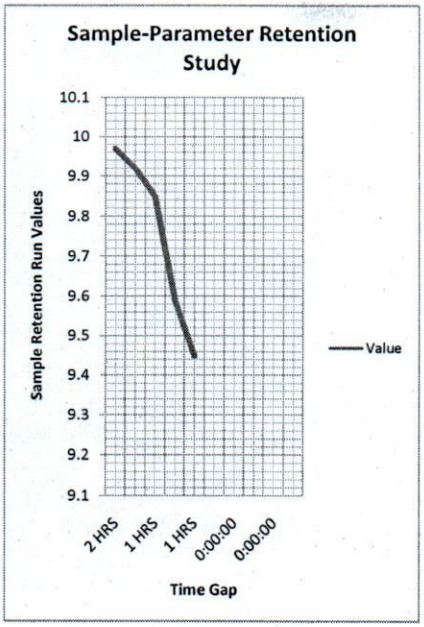
Run #	Date & Time (Analyzer Processing Date & Time) from Raw Data	Time Gap	Value	Difference from Primary Value (B7-Achieved Value)	Variation (within runs)
1	1-7-2020 & 12:18:00PM	2 HRS	9.97	-1.02	0
2	1-7-2020 & 13:24PM	1 HRS	9.92	-0.97	0.05
3	1-7-2020 & 14:23AM	1 HRS	9.85	-0.9	0.07
4	1-7-2020 & 015:23 PM	1 HRS	9.59	-0.64	0.26
5	1-7--2020 & 16:49 PM	1 HRS	9.45	-0.5	0.14
6		#VALUE!			
7		0:00:00			0
8		0:00:00			0
9		0:00:00			0
10		0:00:00			

Mean	9.76
S.D	0.225
CV%	2.31%
Min	9.45
Max	9.97

Min Diff	-1.02
Max Diff	-0.5

TRANSASIA BIO-MEDICALS LTD.

Sample Id.	85002150
Parameter	RBC
Primary Sample Run Paramater Value	3.71
Units of Reporting	10^6/UL
Primary Sample Run Date & Time (Analyzer Processing Date & Time) from Raw Data	1-Jul-20
Sample Id. Input for Retention Study	85002150
Start Date & Time of Study (Analyzer Processing Date & Time) from Raw Data	1-JULY-18 & 12:01 AM



Run #	Date & Time (Analyzer Processing Date & Time) from Raw Data	Time Gap	Value	Difference from Primary Value (B7-Achieved Value)	Variation (within runs)
1	1-7-2020 & 12:18:00PM	2 HRS	3.73	-0.02	0
2	1-7-2020 & 13:24PM	1 HRS	3.76	-0.05	-0.03
3	1-7-2020 & 14:23AM	1 HRS	3.76	-0.05	0
4	1-7-2020 & 015:23 PM	1 HRS	3.74	-0.03	0.02
5	1-7--2020 & 16:49 PM	1 HRS	3.74	-0.03	0
6		#VALUE!			
7		0:00:00			0
8		0:00:00			0
9		0:00:00			0
10		0:00:00			

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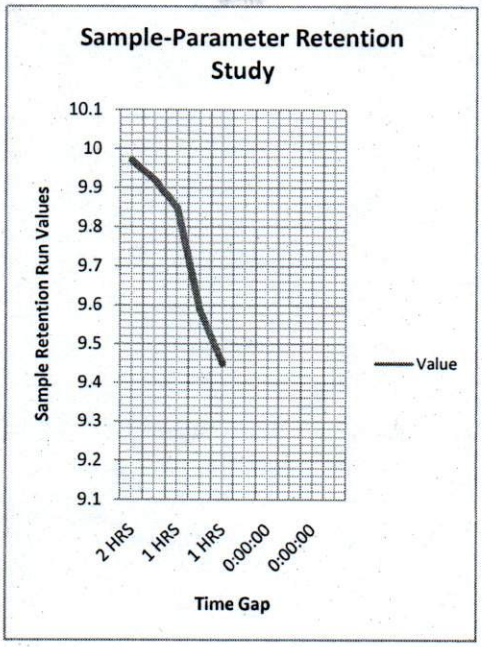
Mean	3.75
S.D	0.013
CV%	0.36%
Min	3.73
Max	3.76

Min Diff	-0.05
Max Diff	-0.02

Sample Id. Input for Retention Study	85002150
PARAMETER	PLT
PRIMARY VALUE	347
UNIT	10^3/UL
Primary Sample Run Date & Time (Analyzer Processing Date & Time) from Raw Data	1-Jul-20
Sample Id. Input for Retention Study	85002150
Start Date & Time of Study (Analyzer Processing Date & Time) from Raw Data	7/1/2020 12:00



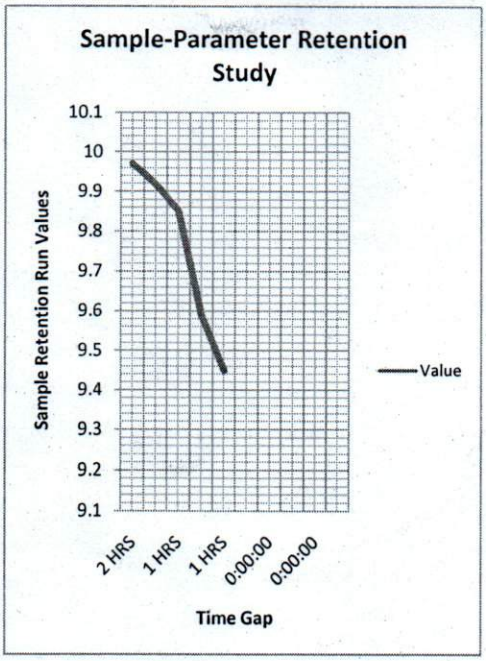
Run #	Date & Time (Analyzer Processing Date & Time) from Raw Data	Time Gap	Value	Difference from Primary Value (B7-Achieved Value)	Variation (within runs)
1	1-7-2020 & 12:18:00PM	2 HRS	357	-10	0
2	1-7-2020 & 13:24PM	1 HRS	361	-14	-4
3	1-7-2020 & 14:23AM	1 HRS	372	-25	-11
4	1-7-2020 & 015:23 PM	1 HRS	358	-11	14
5	1-7--2020 & 16:49 PM	1 HRS	355	-8	3
6		#VALUE!			
7		0:00:00			0
8		0:00:00			0
9		0:00:00			0
10		0:00:00			

Mean	360.60
S.D	6.731
CV%	1.87%
Min	355
Max	372

Min Diff	-25
Max Diff	-8

TRANSASIA BIO-MEDICALS LTD.

Sample Id. Input for Retention Study	85002150
PARAMETER	HCT
PRIMARY VALUE	30.1
UNIT	%
Primary Sample Run Date & Time (Analyzer Processing Date & Time) from Raw Data	1-Jul-20
Sample Id. Input for Retention Study	85002150
Start Date & Time of Study (Analyzer Processing Date & Time) from Raw Data	7/1/2020 12:00



Run #	Date & Time (Analyzer Processing Date & Time) from Raw Data	Time Gap	Value	Difference from Primary Value (B7-Achieved Value)	Variation (within runs)
1	1-7-2020 & 12:18:00PM	2 HRS	31.1	1	0
2	1-7-2020 & 13:24PM	1 HRS	31.5	1.4	-0.4
3	1-7-2020 & 14:23AM	1 HRS	31.5	1.4	0
4	1-7-2020 & 015:23 PM	1 HRS	31.1	1	0.4
5	1-7--2020 & 16:49 PM	1 HRS	31.2	1.1	-0.1
6		#VALUE!			
7		0:00:00			0
8		0:00:00			0
9		0:00:00			0
10		0:00:00			

Mean	31.28
S.D	0.205
CV%	0.66%
Min	31.1
Max	31.5

Min Diff	1
Max Diff	1.4

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