

# Ace Medical Solutions (India) Pvt. Ltd.

An ISO 9001-2015 Certified Company

No : 3/751, 1st Cross Street, Surveyor Colony, K.Pudur, Madurai - 625 007.

Phone : 0452 - 2561691 Mobile : +91 94434 74610



GSTIN. 33AAHCA8053H1ZR • DL No. MDU/4205/20B,MDU/3971/21B • CIN : U33110TN2009PTC072140

## CALIBRATION CERTIFICATE



Customer Name & Address:	M/S, Indian Medical Diagnostic Centre, 593/A1, KJS Complex, Near Canara Bank Main Road, New Bus Stand, Bhavani, Erode -638301	Certificate No:	AMS/LAB/2889580
		Issuing Date:	19/07/2021
		Page No:	1 of 1

### Details of Device under Calibration (DUC):

DUC:	Bio Chemistry Analyser	Id. No:	IMDC/LAB/BCA/001
Make:	Versa Auto Lab	Department:	Laboratory
Model:	Auto Lab	Calibrated On:	17/07/2021
Sl. No:	ES1021506017	Calibration Due Suggested:	16/07/2022
Type:	Semi Auto	DUC Condition on Receipt:	OK
Range & Least Count:	---		

### Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	Electrical Safety Analyser	RigelSafeTest60	PSG/CIRD/BMCC/5507/2021	18/01/2022
2	Thermo Hygrometer	Beetech/088	PC/01/21/ATL/0194-01	22/01/2022

Room Temperature: 25°C±2 Room Humidity: 30-60% (At the time of Calibration)

### ESA Test Results:

SL.No	Parameter	ESA Reading	Unit	Normal Range	Condition
1	Current	339.0	mA	500	Normal
2	Frequency	50.1	Hz	49 -50	Normal
3	Mains Voltage Line - Neutral	231.2	Volts	220 - 240	Normal
4	Mains Voltage Line - Earth	230.4	Volts	220 - 240	Normal
5	Mains Voltage Neutral - Earth	4.5	Volts	< 7	Normal

\*Electrical Safety: Please check the attached log sheet

SL.No	Parameter	Measured	Standard	Correction	Unit
1	Lamp Voltage	11.73	12.0	-0.01	Volts
2	Detector Sensitivity	-0.00	0.0	0.0	% Absorbance
3	Sipper Volume	472	500	-28.0	µl
4	Peristaltic Pump pressure	14.16	15.0	-0.84	cmH2O

Allowable Tolerance: set by Customer

Note:

1. Calibration Points were selected as per customer request.
2. Each reading is taken by Repeatability Test (i.e.) each reading in a row is a mean of 10 readings.
3. Results Reported are valid at the time of and under the stated conditions of measurements.

Calibrated By:  
(Calibration Engineer)

B. S. S.



Approved by:  
(Technical Manager)

B. S. S.

ESA Results:

Test Number	Test Standard	Test	Condition	Filter Selection	Reading Value	Reading Unit	Polarity	Neutral	Earth	Applied Parts
1	Earth Bonding	Earth Bond Voltage	Normal	AC+DC	0.1598	Ω	Normal	Closed	Closed	All

2	IEC60601	Leakage: Earth	Normal	AC+DC	129.71	μA	Normal	Closed	Closed	All
3		Leakage: Earth	Normal	AC+DC	121.61	μA	Reversed	Closed	Closed	All
4		Leakage: Enclosure	Normal	AC+DC	0.00	μA	Normal	Closed	Open	All
5		Leakage: Enclosure	Normal	AC+DC	0.00	μA	Reversed	Closed	Closed	All
6		Leakage: Earth	SFC	AC+DC	251.44	μA	Normal	Open	Closed	All
7		Leakage: Earth	SFC	AC+DC	240.53	μA	Reversed	Open	Closed	All
8		Leakage: Enclosure	SFC	AC+DC	131.29	μA	Normal	Closed	Open	All
9		Leakage: Enclosure	SFC	AC+DC	136.46	μA	Reversed	Closed	Open	All
10		Current	Normal	AC+DC	0.339	Amps	Normal	Closed	Closed	All
11		Frequency	Normal	AC+DC	50.1	Hz	Normal	Closed	Closed	All
12		Mains Voltage: Live to Neutral	Normal	AC+DC	231.2	V	Normal	Closed	Closed	All
13		Mains Voltage: Live to Earth	Normal	AC+DC	230.4	V	Normal	Closed	Closed	All
14		Mains Voltage: Neutral to Earth	Normal	AC+DC	4.5	V	Normal	Closed	Closed	All

15	IEC62353	Equipment Leakage	Direct Method	AC+DC	155.25	μA	Normal	Closed	Open	All
16		Equipment Leakage	Direct Method	AC+DC	154.91	μA	Reversed	Closed	Open	All

17	NFPA-99	Ground Leakage	Normal	AC+DC	131.96	μA	Normal	Closed	Closed	All
18		Ground Leakage	Normal	AC+DC	128.48	μA	Reversed	Closed	Closed	All
19		Ground Leakage	SFC	AC+DC	253.69	μA	Normal	Open	Closed	All
20		Ground Leakage	SFC	AC+DC	253.91	μA	Reversed	Open	Closed	All
21		Chassis Leakage	Normal	AC+DC	0.00	μA	Normal	Closed	Closed	All
22		Chassis Leakage	Normal	AC+DC	0.00	μA	Reversed	Closed	Closed	All
23		Chassis Leakage	SFC	AC+DC	134.21	μA	Normal	Closed	Open	All
24		Chassis Leakage	SFC	AC+DC	129.26	μA	Reversed	Closed	Open	All

25	IEC61010	Touch Leakage	Normal	AC+DC	0.00	μA	Normal	Closed	Closed	All
26		Touch Leakage	Normal	AC+DC	0.00	μA	Reversed	Closed	Closed	All
27		Touch Voltage	Normal	AC+DC	2.57	V	Normal	Closed	Closed	All
28		Touch Voltage	Normal	AC+DC	2.57	V	Reversed	Closed	Closed	All
29		Touch Leakage	SFC	AC+DC	124.94	μA	Normal	Closed	Open	All
30		Touch Leakage	SFC	AC+DC	124.09	μA	Reversed	Closed	Open	All
31		Touch Voltage	SFC	AC+DC	2.57	V	Normal	Closed	Open	All
32		Touch Voltage	SFC	AC+DC	2.57	V	Reversed	Closed	Open	All

33	Insulation Testing	Insulation Resistance	Normal	AC+DC	>20	MΩ	Normal	Closed	Closed	All
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34	Point to Point Testing	Point to Point Earth Bond Test	Normal	AC+DC	>19.9	Ω	Normal	Closed	Closed	All
35		Point To Point Leakage Test	Normal	AC+DC	0	mA	Normal	Closed	Closed	All
36		Standard Insulation Test	Normal	AC+DC	>20	MΩ	Normal	Closed	Closed	All

Test Passed	Yes	Tested On	17/07/2021	Tested By	B. S. S.					
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**Peerless Biotech Pvt. Ltd.**

#99 & 100, Nehru Nagar Industrial Estate, 2nd Link Street, Kottivakkam,  
Chennai-600 041. Tamil Nadu, India. Phone: 044 - 24541688  
eMail:access.peerless@gmail.com; Website:www.peerlessbio.com

## **INSTALLATION, OPERATIONAL & PERFORMANCE**

### **QUALIFICATION DOCUMENTS**



**Model : Semi Auto Chemistry Analyser – AutoLab Versa**

**Marketed By : Peerless Biotech Private Limited**

**Serial No : ES1021506017**

**Installation Date : 12 Mar 2016**



## Installation / Validation Report

### Semi Auto Chemistry Analyser - AutoLab Versa IQ/ OQ / PQ Documents

Customer Address: **Indian Medical Diagnostics Centre** Contact Person: **Madhu**  
593/A1, KJS Complex, Near Canara Bank, Telephone No: 9442725591  
Main Road,New Bustand, Bhavani 638 301.

Serial No: **ES1021506017** Installation date: **12/03/2016**

### Installation Qualification

#### Transport damage

Package damaged:  Yes  No  
Parts damaged  Yes  No

If yes, please specify:

#### Initial check

Parts missing? (Check against packing list)	number	Part description
<input type="checkbox"/> Yes → Please specify parts	_____	_____
<input checked="" type="checkbox"/> No	_____	_____
	_____	_____
	_____	_____

\* Please return parts, including a malfunction report.

- Line Voltage / Main Supply: 220 - 240V: 231V
- Grounding Voltage (0-5V): 1V
- Room Air conditioned:  Yes  No
- Stabiliser / UPS: **Offline UPS** Rating : > 1 KVA

**(We recommend connecting AutoLab Versa to UPS of 1 KVA)**

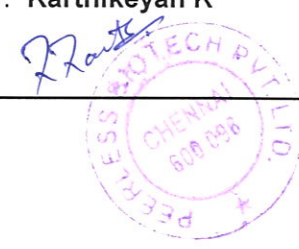
The system Described meets all the criteria outlined in this installation qualification Documents. All items have been checked & Installation has been completed.

The System is ready for Performing Operational Qualification.

Performer: **Gowthaman**

Reviewer: **Karthikeyan K**

Date: 08/06/2021





## Installation / Validation Report

### Semi Auto Chemistry Analyser - AutoLab Versa IQ/ OQ / PQ Documents

Customer Address: **Indian Medical Diagnostics Centre** Contact Person: **Madhu**  
593/A1, KJS Complex, Near Canara Bank, Telephone No: 9442725591  
Main Road, New Bustand, Bhavani 638 301.

Serial No: **ES1021506017**

Installation date: **12/03/2016**

### Operational Qualification

- Connect the instrument to the waste container.
- Switch ON the system, Check the initializing process.
- Check gain and background values for all filters.
- Check aspiration volume.
- Set system and test Parameters
- Run calibration and QC cycle
- Check normal procedure to shut down the analyser.

#### Tests/Comments (if any):

The instrument is performing in the prescribed standards; validation of the same has been performed.

**This is to certify that the instrument can be used for operational analysis.**

The system Described meets all the criteria outlined in this installation qualification Documents.

All items have been checked & Installation has been completed.

The System is ready for Performing Performance Qualification.

Performer: **Gowthaman**

Date: 08/06/2021

Reviewer: **Karthikeyan K**



## Installation / Validation Report

### Semi Auto Chemistry Analyser - AutoLab Versa IQ/ OQ / PQ Documents

Customer Address: **Indian Medical Diagnostics Centre** Contact Person: **Madhu**  
593/A1, KJS Complex, Near Canara Bank, Telephone No: 9442725591  
Main Road, New Bustand, Bhavani 638 301.

Serial No: **ES1021506017**

Installation date: **12/03/2016**

### Performance Qualification

#### NORMAL CONTROL:

Control Manufacture : **SPINREACT**  
QC Name : **Spintrol "H" Normal Human Serum**  
LOT : **34589**  
Expiry : **2022-11**

Method	Parameter	Range	Values Obtain	Status
End point	Total Cholesterol	82.6 - 111	98	OK
End point	GLUCOSE	88.4 - 120	102	OK
Fixed time	Creatinine	0.82 - 1.18	1.1	OK
Fixed time	UREA(BERTHELOT)	35.9 - 48.5	41	OK
Kinetic	SGOT	41.4 - 59.6	51	OK
Kinetic	SGPT	39.5 - 56.9	49	OK

#### ABNORMAL CONTROL:

Control Manufacture : **SPINREACT**  
QC Name : **Spintrol "H" Pathological Human Serum**  
LOT : **16575**  
Expiry : **2022-11**

Method	Parameter	Range	Values Obtain	Status
End point	Total Cholesterol	156 - 210	187	OK
End point	GLUCOSE	200 - 270	234	OK
Fixed time	Creatinine	3.27 - 4.71	3.90	OK
Fixed time	UREA(BERTHELOT)	106 - 144	123	OK
Kinetic	SGOT	118 - 170	141	OK
Kinetic	SGPT	91 - 131	113	OK

#### REMARKS:

The system meets all criteria outlined in this Performance Qualification Documents.  
All the required parameters have been checked and instrument is ready for regular use.

Performer: **Gowthaman**

Reviewer: **Karthikeyan K**

Date: 08/06/2021



## Certificate

This is to certify that the following instrument have been validated as per the manufacturer's protocol & is found to be working satisfactorily.

**Certificate No** : 202112IOP002  
**Instrument Name** : Semi Auto Chemistry Analyser  
**Model** : AutoLab Versa  
**Serial No** : ES1021506017  
**Marketed By** : Peerless Biotech Private Limited.

The validation is valid from **08/06/2021** to **07/06/2022**

for **Peerless Biotech Private Limited**

  
**Mr. Karthikeyan K**  
**Service Manager - Technical Support**



NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : FEB 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
01.03.21	109	26	1.2	1.6	4.9	3.0	4.6	101	157	
02.03.21	102	27	1.5	1.7	4.5	3.6	4.6	111	150	
03.03.21	110	29	1.2	1.8	4.1	2.9	4.9	117	144	
04.03.21	118	25	1.2	1.7	4.9	2.6	5.5	115	139	
05.03.21	113	30	1.3	1.3	4.8	3.0	4.9	109	147	
06.03.21	104	30	1.5	1.8	4.8	3.5	4.4	119	159	
07.03.21	116	24	1.3	1.5	4.2	3.3	5.1	101	147	
08.03.21	115	24	1.4	1.5	4.8	2.8	5.3	118	138	
09.03.21	110	26	1.5	1.3	4.9	2.7	4.8	115	150	
10.03.21	117	28	1.2	1.4	4.8	3.5	4.7	117	138	
11.03.21	108	23	1.4	1.7	4.6	3.0	5.3	111	149	
12.03.21	120	26	1.5	1.5	4.5	3.5	4.7	102	154	
13.03.21	118	27	1.2	1.4	5.0	3.0	5.3	113	157	
14.03.21	108	30	1.3	1.4	4.7	3.6	4.5	116	139	
15.03.21	106	29	1.2	1.6	5.1	2.6	5.4	119	138	
16.03.21	115	34	1.4	1.5	4.7	3.8	5.4	104	147	
17.03.21	113	31	1.5	1.7	5.2	2.8	5.5	104	148	
18.03.21	109	31	1.3	1.6	4.6	3.8	5.1	107	150	
19.03.21	119	29	1.4	1.4	4.5	3.1	4.8	105	160	



NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : FEB 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
20.03.21	109	25	1.4	1.5	4.5	3.8	4.8	107	145	
21.03.21	115	28	1.5	1.5	4.5	2.8	5.4	100	151	
22.03.21	119	32	1.2	1.7	4.9	3.0	5.0	112	148	
23.03.21	116	28	1.4	1.9	5.2	3.1	4.8	106	148	
24.03.21	110	24	1.2	1.8	5.1	3.5	4.6	115	155	
25.03.21	119	31	1.3	1.5	5.2	2.8	4.7	114	158	
26.30.21	109	29	1.5	1.8	4.3	3.5	4.9	105	135	
27.03.21	104	30	1.4	1.5	5.4	2.7	4.5	108	140	
28.03.21	117	29	1.1	1.5	5.2	2.5	5.1	120	141	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : MARCH 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
01.03.21	108	27	1.3	1.5	4.6	3.1	4.8	108	149	
02.03.21	109	29	1.4	1.7	4.7	3.7	4.8	111	151	
03.03.21	109	25	1.3	1.9	4.6	3.0	4.9	118	145	
04.03.21	119	25	1.4	1.7	5.0	2.9	5.1	115	140	
05.03.21	117	32	1.4	1.6	4.9	3.1	4.8	110	148	
06.03.21	109	30	1.5	1.8	4.8	3.3	4.9	119	139	
07.03.21	112	24	1.3	1.6	4.4	3.5	5.1	114	150	
08.03.21	115	25	1.5	1.5	5.1	2.7	5.5	120	141	
09.03.21	111	26	1.4	1.4	5.0	2.9	4.8	115	151	
10.03.21	119	30	1.3	1.7	4.9	3.7	4.7	115	145	
11.03.21	108	24	1.5	1.9	4.7	3.0	5.5	112	151	
12.03.21	121	26	1.2	1.7	4.8	3.6	4.8	111	155	
13.03.21	115	34	1.4	1.5	5.1	3.1	5.3	114	159	
14.03.21	109	30	1.5	1.5	4.9	3.5	4.1	118	141	
15.03.21	106	31	1.4	1.6	5.3	2.6	5.6	119	145	
16.03.21	115	34	1.6	1.7	4.7	3.7	5.4	101	149	
17.03.21	119	33	1.4	1.9	5.4	2.8	5.5	105	149	
18.03.21	109	32	1.5	1.7	4.8	3.7	5.2	109	153	
19.03.21	115	31	1.3	1.5	4.6	3.2	4.9	107	161	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : APRIL 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
01.03.21	108	25	1.2	1.6	4.9	3.0	4.6	101	157	
02.03.21	102	27	1.5	1.7	4.5	3.6	4.6	111	150	
03.03.21	108	24	1.2	1.8	4.1	2.9	4.9	117	144	
04.03.21	118	25	1.2	1.7	4.9	2.6	5.5	115	139	
05.03.21	113	30	1.3	1.3	4.8	3.0	4.9	109	147	
06.03.21	104	30	1.4	1.7	4.7	3.1	4.7	118	145	
07.03.21	116	24	1.3	1.5	4.2	3.3	5.1	101	147	
08.03.21	115	22	1.4	1.5	4.8	2.8	5.3	118	138	
09.03.21	110	26	1.5	1.3	4.9	2.7	4.8	115	150	
10.03.21	117	28	1.2	1.4	4.8	3.5	4.7	117	138	
11.03.21	108	23	1.4	1.7	4.6	3.0	5.3	111	149	
12.03.21	120	26	1.5	1.5	4.5	3.5	4.7	102	154	
13.03.21	119	27	1.2	1.4	5.0	3.0	5.3	113	157	
14.03.21	108	29	1.3	1.4	4.7	3.6	4.5	116	139	
15.03.21	106	29	1.2	1.6	5.1	2.6	5.4	119	138	
16.03.21	115	34	1.4	1.5	4.7	3.8	5.4	104	147	
17.03.21	114	31	1.5	1.7	5.2	2.8	5.5	104	148	
18.03.21	109	31	1.3	1.6	4.6	3.8	5.1	107	150	
19.03.21	119	29	1.4	1.4	4.5	3.1	4.8	105	160	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : APRIL 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
20.03.21	105	24	1.4	1.5	4.5	3.8	4.8	107	145	
21.03.21	115	28	1.5	1.5	4.5	2.8	5.4	100	151	
22.03.21	119	32	1.2	1.7	4.9	3.0	5.0	112	148	
23.03.21	116	28	1.4	1.9	5.2	3.1	4.8	106	148	
24.03.21	110	24	1.2	1.8	5.1	3.5	4.6	115	155	
25.03.21	119	30	1.3	1.5	5.2	2.8	4.7	114	158	
26.30.21	108	24	1.5	1.8	4.3	3.5	4.9	105	135	
27.03.21	104	30	1.4	1.5	5.4	2.7	4.5	108	140	
28.03.21	117	29	1.1	1.5	5.2	2.5	5.1	120	141	
29.03.21	114	31	1.4	1.7	3.9	3.6	5.4	118	150	
30.03.21	112	23	1.3	1.8	4.5	3.3	5.0	114	152	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : MAY 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
01.03.21	113	28	1.3	1.6	4.6	3.1	4.8	108	149	
02.03.21	112	29	1.4	1.7	4.7	3.7	4.5	111	151	
03.03.21	108	25	1.3	1.8	4.5	3.0	4.9	118	138	
04.03.21	119	25	1.3	1.7	5.0	2.8	5.0	115	140	
05.03.21	117	32	1.4	1.5	4.9	3.1	4.7	110	148	
06.03.21	109	30	1.4	1.8	4.8	3.3	4.9	119	139	
07.03.21	112	24	1.3	1.4	4.5	3.5	5.1	108	150	
08.03.21	115	25	1.5	1.5	5.1	2.7	5.5	120	147	
09.03.21	111	26	1.4	1.6	5.0	2.9	4.8	115	151	
10.03.21	119	30	1.4	1.6	4.9	3.7	4.7	115	146	
11.03.21	108	24	1.5	1.9	4.7	3.0	5.4	112	151	
12.03.21	121	26	1.6	1.7	4.8	3.6	4.8	109	155	
13.03.21	115	34	1.4	1.5	5.1	3.1	5.3	114	159	
14.03.21	109	30	1.5	1.5	4.9	3.5	4.8	118	139	
15.03.21	106	31	1.4	1.6	5.3	2.9	5.6	119	145	
16.03.21	115	34	1.6	1.7	4.7	3.7	5.4	109	149	
17.03.21	119	33	1.4	1.8	5.4	2.8	5.5	105	149	
18.03.21	109	32	1.5	1.7	4.8	3.7	5.2	109	153	
19.03.21	115	31	1.3	1.5	4.6	3.2	4.9	107	161	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : MAY 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
20.03.21	106	25	1.4	1.5	4.6	3.1	4.8	108	149	
21.03.21	114	29	1.5	1.5	4.6	2.7	5.5	109	151	
22.03.21	121	33	1.2	1.9	4.9	3.2	5.1	111	149	
23.03.21	115	28	1.4	1.8	5.4	3.0	4.9	107	150	
24.03.21	112	26	1.3	1.7	5.6	3.5	4.8	117	155	
25.03.21	119	29	1.3	1.6	5.0	2.5	4.8	115	159	
26.30.21	108	24	1.4	1.8	4.4	3.5	5.0	109	135	
27.03.21	106	28	1.5	1.6	5.5	2.7	4.7	109	139	
28.03.21	118	32	1.4	1.7	5.3	2.9	5.0	121	145	
29.03.21	115	30	1.6	1.9	4.2	3.8	5.5	118	150	
30.03.21	113	25	1.4	1.8	4.7	3.5	5.3	112	155	
31.03.21	119	33	1.2	1.4	4.5	2.8	5.0	114	126	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : JUNE 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
01.03.21	114	27	1.2	1.5	4.5	3.0	4.7	109	151	
02.03.21	116	28	1.1	1.7	4.6	3.6	4.6	111	151	
03.03.21	107	25	1.3	1.7	4.5	3.0	4.9	118	141	
04.03.21	119	24	1.1	1.7	5.0	2.9	5.5	115	142	
05.03.21	115	32	1.3	1.4	4.9	3.2	4.7	110	148	
06.03.21	109	30	1.4	1.8	4.8	3.2	4.8	118	142	
07.03.21	110	24	1.2	1.3	4.6	3.4	5.1	108	149	
08.03.21	115	24	1.4	1.5	5.0	2.7	5.4	119	143	
09.03.21	111	26	1.4	1.5	5.0	2.8	4.8	115	151	
10.03.21	120	29	1.3	1.5	4.8	3.6	4.6	115	141	
11.03.21	108	24	1.5	1.9	4.7	3.0	5.3	112	151	
12.03.21	121	26	1.3	1.6	4.8	3.6	4.8	112	155	
13.03.21	114	30	1.3	1.6	5.1	3.0	5.3	114	158	
14.03.21	108	32	1.5	1.5	4.9	3.6	4.1	117	139	
15.03.21	106	31	1.4	1.6	5.2	2.7	5.5	119	144	
16.03.21	115	34	1.5	1.6	4.7	3.8	5.4	101	148	
17.03.21	119	31	1.4	1.8	5.4	2.8	5.4	105	149	
18.03.21	109	32	1.5	1.6	4.8	3.7	5.2	108	152	
19.03.21	112	30	1.3	1.6	4.5	3.1	4.8	106	160	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : JUNE 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
20.03.21	105	24	1.0	1.6	4.5	3.3	4.8	108	148	
21.03.21	114	29	1.5	1.5	4.5	2.7	5.5	110	150	
22.03.21	120	32	1.2	1.8	4.9	3.1	5.0	111	149	
23.03.21	115	28	1.3	1.9	5.3	3.0	4.9	107	149	
24.03.21	111	25	1.3	1.7	5.5	3.5	4.7	116	154	
25.03.21	119	28	1.3	1.5	5.4	2.4	4.8	115	158	
26.30.21	107	24	1.3	1.8	4.4	3.5	5.1	105	135	
27.03.21	106	28	1.5	1.6	5.4	2.6	4.6	108	140	
28.03.21	117	30	1.5	1.6	5.3	2.5	5.1	121	141	
29.03.21	115	31	1.6	1.8	4.1	3.8	5.4	118	150	
30.03.21	111	24	1.4	1.8	4.7	3.4	5.2	113	154	



NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : JULY 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
01.03.21	113	26	1.2	1.5	4.5	2.9	4.8	115	150	
02.03.21	112	27	1.4	1.7	4.6	3.6	4.6	111	151	
03.03.21	106	24	1.5	1.7	4.8	3.0	4.9	118	138	
04.03.21	119	25	1.2	1.7	5.0	2.9	5.5	115	140	
05.03.21	113	32	1.5	1.4	4.8	3.1	4.9	109	147	
06.03.21	109	30	1.3	1.8	4.8	3.2	4.8	118	139	
07.03.21	118	24	1.4	1.5	4.6	3.4	5.1	112	149	
08.03.21	115	25	1.5	1.5	5.0	2.9	5.3	118	138	
09.03.21	111	26	1.3	1.4	4.9	2.7	4.8	115	150	
10.03.21	118	28	1.0	1.5	4.8	3.6	4.6	115	141	
11.03.21	108	24	1.4	1.9	4.7	3.0	5.3	112	151	
12.03.21	121	26	1.5	1.6	4.8	3.5	4.7	102	155	
13.03.21	119	29	1.2	1.4	5.1	3.0	5.2	113	157	
14.03.21	108	29	1.5	1.5	4.9	3.6	4.5	117	139	
15.03.21	106	30	1.3	1.6	5.2	2.6	5.4	119	144	
16.03.21	115	34	1.4	1.6	4.7	3.8	5.4	102	147	
17.03.21	115	31	1.2	1.8	5.4	2.9	5.4	105	149	
18.03.21	109	32	1.4	1.6	4.8	3.7	5.2	108	150	
19.03.21	110	29	1.3	1.6	4.5	3.2	4.8	106	160	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : JULY 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
20.03.21	106	25	1.3	1.6	4.5	3.3	4.8	108	148	
21.03.21	115	28	1.5	1.5	4.5	2.7	5.5	100	151	
22.03.21	120	32	1.5	1.8	4.9	3.1	5.0	111	149	
23.03.21	116	27	1.4	1.9	5.2	3.2	4.9	107	149	
24.03.21	111	25	1.3	1.7	5.5	3.5	4.6	116	154	
25.03.21	118	28	1.4	1.4	5.3	2.3	4.8	114	159	
26.30.21	107	23	1.4	1.8	4.4	3.5	5.0	105	135	
27.03.21	105	28	1.5	1.6	5.4	2.9	4.5	108	138	
28.03.21	117	30	1.4	1.6	5.3	2.8	5.1	120	119	
29.03.21	114	30	1.5	1.8	4.0	3.7	5.4	118	150	
30.03.21	111	29	1.4	1.8	4.6	3.4	5.1	112	153	
31.03.21	118	31	1.4	1.4	4.3	2.9	4.9	113	125	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : MARCH 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
20.03.21	106	27	1.4	1.5	4.6	3.1	4.8	109	149	
21.03.21	114	29	1.5	1.5	4.6	2.7	5.5	118	151	
22.03.21	121	33	1.3	1.9	4.9	3.2	5.1	111	149	
23.03.21	115	28	1.4	1.8	5.4	3.0	4.9	107	150	
24.03.21	112	26	1.3	1.7	5.6	3.5	4.8	118	155	
25.03.21	119	29	1.2	1.5	5.0	2.5	4.9	115	159	
26.30.21	108	24	1.4	1.8	4.4	3.5	5.0	106	135	
27.03.21	106	27	1.5	1.6	5.5	2.7	4.7	109	141	
28.03.21	118	32	1.4	1.7	5.3	2.5	5.0	121	139	
29.03.21	115	30	1.6	1.9	4.2	3.8	5.5	118	150	
30.03.21	113	26	1.4	1.8	4.8	3.5	5.3	112	155	
31.03.21	119	33	1.3	1.5	4.4	2.8	5.1	115	140	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : AUG 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
01.03.21	110	25	1.2	1.4	4.8	2.9	4.5	109	157	
02.03.21	102	27	1.4	1.7	4.5	3.6	4.6	111	150	
03.03.21	114	24	1.3	1.7	4.5	3.0	4.9	117	138	
04.03.21	118	25	1.0	1.7	4.9	2.6	5.5	115	139	
05.03.21	113	31	1.0	1.4	4.8	3.0	4.9	109	147	
06.03.21	105	30	1.2	1.7	4.8	3.1	4.8	117	137	
07.03.21	116	24	1.5	1.6	4.9	3.4	5.1	105	149	
08.03.21	115	28	1.4	1.5	4.8	2.7	5.3	117	138	
09.03.21	110	26	1.2	1.6	4.9	2.7	4.8	115	150	
10.03.21	117	28	1.2	1.5	4.7	3.5	4.7	115	142	
11.03.21	108	23	1.4	1.7	4.6	3.0	5.3	111	150	
12.03.21	120	26	1.3	1.6	4.5	3.5	4.7	108	155	
13.03.21	119	28	1.2	1.4	5.0	3.0	5.2	112	157	
14.03.21	108	29	1.4	1.5	4.8	3.6	4.5	116	139	
15.03.21	106	29	1.3	1.6	5.1	2.6	5.4	119	145	
16.03.21	115	34	1.4	1.5	4.7	3.8	5.4	106	147	
17.03.21	115	31	1.4	1.8	5.2	2.8	5.4	104	149	
18.03.21	109	31	1.3	1.6	4.6	3.7	5.1	108	150	
19.03.21	119	28	1.2	1.5	4.4	3.1	4.8	105	161	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : SEP2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
01.03.21	108	25	1.2	1.5	4.4	3.0	4.6	109	157	
02.03.21	109	27	1.1	1.7	4.5	3.6	4.6	111	150	
03.03.21	116	24	1.2	1.8	4.4	2.9	4.9	117	144	
04.03.21	118	25	1.3	1.7	4.9	2.6	5.5	115	139	
05.03.21	113	30	1.2	1.6	4.8	3.0	4.9	109	147	
06.03.21	108	30	1.3	1.7	4.7	3.1	4.7	118	141	
07.03.21	116	24	1.4	1.3	4.2	3.3	5.1	109	147	
08.03.21	115	24	1.4	1.5	4.8	2.8	5.3	118	141	
09.03.21	110	26	1.5	1.3	4.9	2.7	4.8	115	150	
10.03.21	117	28	1.3	1.4	4.0	3.5	4.7	117	145	
11.03.21	108	23	1.4	1.7	4.6	3.0	5.3	111	149	
12.03.21	120	26	1.4	1.5	4.5	3.5	4.7	108	154	
13.03.21	119	27	1.1	1.4	5.0	3.0	5.3	113	157	
14.03.21	108	29	1.3	1.4	4.7	3.6	4.5	116	139	
15.03.21	106	29	1.2	1.6	5.1	2.6	5.4	119	145	
16.03.21	115	34	1.4	1.5	4.7	3.8	5.4	104	147	
17.03.21	114	31	1.5	1.7	5.2	2.8	5.5	104	148	
18.03.21	109	31	1.3	1.6	4.6	3.8	5.1	107	150	
19.03.21	119	29	1.4	1.4	4.5	3.1	4.8	105	160	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : SEP 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
20.03.21	105	24	1.4	1.5	4.5	3.8	4.8	107	145	
21.03.21	115	28	1.5	1.5	4.5	2.8	5.4	109	151	
22.03.21	119	32	1.2	1.7	4.9	3.0	5.0	112	148	
23.03.21	116	28	1.4	1.9	5.2	3.1	4.8	106	148	
24.03.21	110	24	1.2	1.8	5.1	3.5	4.6	115	155	
25.03.21	119	30	1.5	1.5	5.2	2.8	4.7	114	158	
26.30.21	108	24	1.5	1.8	4.3	3.5	4.9	105	139	
27.03.21	109	30	1.4	1.5	5.4	2.7	4.5	108	145	
28.03.21	117	29	1.4	1.5	5.2	2.9	5.1	120	146	
29.03.21	114	31	1.4	1.7	3.9	3.6	5.4	118	150	
30.03.21	112	23	1.3	1.8	4.9	3.3	5.0	112	152	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : OCT 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
01.03.21	108	25	1.2	1.7	4.1	3.0	4.6	118	157	
02.03.21	102	27	1.1	1.7	4.5	3.6	4.6	111	150	
03.03.21	109	25	1.2	1.8	4.5	2.9	4.9	117	144	
04.03.21	118	25	1.0	1.7	4.9	2.8	5.5	115	141	
05.03.21	113	30	1.0	1.4	4.8	3.0	4.9	109	147	
06.03.21	106	30	1.1	1.7	4.7	3.1	4.7	118	140	
07.03.21	116	24	1.1	1.6	4.5	3.3	5.1	116	147	
08.03.21	115	27	1.4	1.5	4.8	2.8	5.3	118	145	
09.03.21	110	26	1.1	1.7	4.9	2.7	4.8	115	150	
10.03.21	117	28	1.2	1.5	4.8	3.5	4.7	117	140	
11.03.21	108	24	1.4	1.7	4.6	3.0	5.3	111	149	
12.03.21	120	26	1.0	1.5	4.5	3.5	4.7	109	154	
13.03.21	119	27	1.1	1.4	5.0	3.0	5.3	113	157	
14.03.21	108	29	1.3	1.5	4.7	3.6	4.5	116	139	
15.03.21	106	29	1.2	1.6	5.1	2.6	5.4	119	145	
16.03.21	115	34	1.4	1.5	4.7	3.8	5.4	104	147	
17.03.21	114	31	1.0	1.7	5.2	2.8	5.5	104	148	
18.03.21	109	31	1.3	1.8	4.6	3.8	5.1	107	150	
19.03.21	119	29	1.0	1.6	4.5	3.1	4.8	105	160	

NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : OCT 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
20.03.21	108	24	1.1	1.7	4.5	3.8	4.8	107	145	
21.03.21	115	28	1.5	1.6	4.5	2.8	5.4	115	151	
22.03.21	119	32	1.2	1.7	4.9	3.0	5.0	112	148	
23.03.21	116	28	1.4	1.9	5.2	3.1	4.8	106	148	
24.03.21	110	24	1.2	1.8	5.1	3.5	4.6	115	155	
25.03.21	119	30	1.1	1.5	5.2	2.8	4.7	114	158	
26.30.21	108	24	1.0	1.8	4.3	3.5	4.9	105	135	
27.03.21	109	30	1.4	1.5	5.4	2.7	4.5	108	138	
28.03.21	117	29	1.1	1.5	5.2	2.5	5.1	120	118	
29.03.21	114	31	1.4	1.7	3.9	3.6	5.4	118	150	
30.03.21	112	24	1.3	1.8	4.4	3.3	5.0	112	152	



NAME OF THE IQC : CMC HOSPITAL,VELLORE

LOT NO:

EXPIRAY :

MONTH OF : AUG 2021

TEST	GLUCOSE	UREA	CREATININE	T.BILIRUBIN	T.PROTEIN	ALBUMIN	URIC ACID	CHOLESTEROL	TRIGLYCERIDES	REMARKS
MEAN	114	29	1.4	1.7	4.9	3.2	4.9	111	151	
RANGE(2SD)	104-124	23-35	1.2-1.6	1.4-2.0	4.2-5.6	2.6-3.8	4.4-5.4	101-121	138-164	
UNITS	Mgs/dl	Mgs/dl	Mgs/dl	Mgs/dl	Gms/dl	Gms/dl	Mgs/dl	Mgs/dl	Mgs/dl	
20.03.21	105	24	1.4	1.5	4.5	3.8	4.8	107	148	
21.03.21	115	28	1.5	1.5	4.5	2.8	5.5	116	151	
22.03.21	119	32	1.2	1.8	4.8	3.1	5.0	112	148	
23.03.21	116	29	1.4	1.9	5.2	3.1	4.8	107	148	
24.03.21	111	24	1.3	1.8	5.1	3.5	4.6	115	154	
25.03.21	119	30	1.5	1.5	5.2	2.9	4.8	114	159	
26.30.21	107	23	1.3	1.8	4.3	3.5	4.9	106	139	
27.03.21	104	31	1.4	1.6	5.4	2.7	4.5	108	145	
28.03.21	118	29	1.4	1.6	5.2	2.4	5.2	120	141	
29.03.21	114	30	1.5	1.7	4.4	3.6	5.4	119	150	
30.03.21	110	23	1.3	1.7	4.5	3.4	5.1	112	152	
31.03.21	119	30	1.2	1.6	4.3	2.9	4.9	112	140	