



## CERTIFICATE OF INSTALLATION

INSTRUMENT NAME: **Rx Daytona+**  
SERIAL NUMBER: 7241-0189  
CUSTOMER NAME: Arpan Diagnostic Centre  
ADDRESS: 150 ft Ring Road , Indira Circle , Nr Raj Bank , Rajkot :  
360005.

The undersigned performer certifies that the **Installation Qualification** protocol has been successfully completed for the instrument stated above.

### ENGINEER

Signature

Name:

Jinesh Vadera

Designation:

Customer Support Engineer

Company:

Radox Laboratories India Pvt. Limited

### LABORATORY INCHARGE:-

Signature

Name:

Dr. Anil Sewali

Designation:

Pathologist

Company

Arpan Diagnostic Centre

**Radox Laboratories (India) Private Limited**  
Regd Office : Plot No.191 - 195 & 246 - 250, KIADB Industrial Area,  
Bommasandra-Jigani Link Road, Bengaluru, India - 560 105  
T +91 80 2802 5000 Fax: +91 80 2802 5012  
www.radox.com CIN : U24230KA2004PTC070372



**Rx Daytona+**

**INSTALLATION QUALIFICATION**

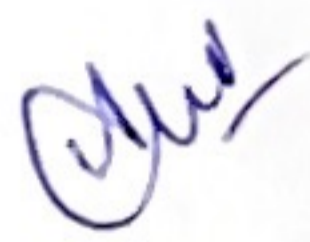
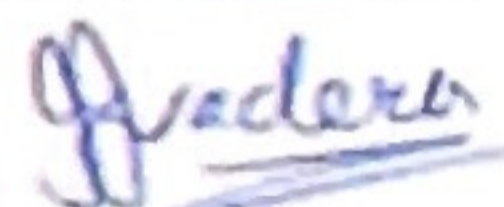
**FOR**

**Arpan Diagnostic Centre**

**RANDOX LABORATORIES INDIA PVT. LTD.**

## Training Report

<b>Customer :</b> Arpan Diagnostic Centre	<b>Product Description :</b> Rx Daytona+ <b>Instrument Serial # :</b> 7241-0189 <b>Installed on :</b> 16th December 2020	<b>Date :</b> 16th December 2020  <b>Training Period :</b> 21 <sup>st</sup> to 23 <sup>rd</sup> December 2020
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<b>Instrument :</b>  Rx Daytona+  <b>Training provided by :</b>  Jinesh Vadera  <b>Training provided to :</b>  1. Riddhi Pipaliya. 2. Shital Dobariya.	<b>Action taken :</b> Rx Daytona+ installed properly with all accessories and validation of instrument done.  <b>Check list :</b> <ol style="list-style-type: none"><li>1. Explained all major hardware components and their functions</li><li>2. Explained in detail the different software aspects and their use</li><li>3. Consumable usage and replacement</li><li>4. interpretation of calibration and Control results and calibration frequencies</li><li>5. Daily, Weekly &amp; Monthly procedures</li></ol> <b>Follow up :</b> Adequate follow up done  <b>Chemistries standardized with good QC Results :</b>  Glucose, ALT,AST,UREA,Creatinine,Glucose, ALP, Total Protein, TBIL,DBIL, ALB, TG,UA,DHDL,CRP.
<b>Customer Signature</b>  	<b>Trainee Signature :</b> 

Name of the customer	Make
<b>Arpan Diagnostic Centre</b>	<b>Randox</b>

Product Name	Serial Number
<b>Rx Daytona+</b>	<b>7241-0189</b>

This is to certify that this machine has been inspected and calibrated and details given below.

Sr. No	Test Parameters	Measured / Calibrated	Remarks
1.	Input Voltage	230 V AC	O.K
2.	Power Consumption	900 watts	O.K
3.	Input frequency	50 Hz	O.K
4.	Operating Temperature	15 – 30 Deg Celsius	O.K

Name of Engineer  
**Jinesh Vadera**

Signature  
*Jinesh Vadera*

## INSTALLATION REPORT

INSTRUMENT: **Rx Daytona+**  
INSTRUMENT SERIAL NUMBER : 7241-0189  
TELEPHONE: 9825082454/ 9428344158  
INSTALLATION DATE: 16<sup>th</sup> December 2020

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### INSATALLATION COMPLETION STATEMENT

1. INSTALLATION PROCEDURE	Done	OK
2. INSTALLATION CHECK	Done	OK
3. PERFORMANCE CHECK	Done	OK

FOR RANDOX LABORATORIES INDIA PVT. LTD.

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The **Rx Daytona+** bearing Serial Number – **7241-0189**  
has been successfully installed at **Arpan Diagnostic Centre.**

Accepted

Date: 16th December 2020

Name: Jinesh Vadera

Designation: Customer Support Engineer

## **INSTALLATION QUALIFICATION**

### **Instructions:**

1. This document is to be completed at the time the system is unpacked and set up for operation
2. An authorized Randox representative will check out each module and verify the alignment as outlined in service manual
3. All deviations from normal specification to include any problems with installation will be noted in the comments section
4. This document contains proprietary information and is in no way to be copied , photographed or duplicated in any way without expressed written authorization by Randox Laboratories India (P) Limited.

## **INSTALLATION QUALIFICATION**

This Installation Qualification Protocol will be performed on the instrumentation located at Arpan Diagnostic Centre.

This protocol will define the documentation that will be used to evaluate the instrument documented in accordance with the manufacturer's specifications and intended use. Successful completion of this protocol will verify that the instrumentation identified has been installed in accordance with intended usage.

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

Trained knowledgeable personnel will perform qualification studies as mentioned in Randox Service Manual.

Any exceptional conditions encountered during the Qualification studies will be identified for review.

Exceptional conditions will be investigated and appropriate course of action will be determined.

## INSTALLATION QUALIFICATION

### System Certification

Study data has been determined that the system described in this document either meets all critical outlines in this Installation Qualification, or exceptional conditions have been identified and documentation included.

Exceptional conditions, if any have been addressed.

The system is ready for specified usage.

Protocol performed by: Radox Laboratories Representative

Name: Jinesh Vadera

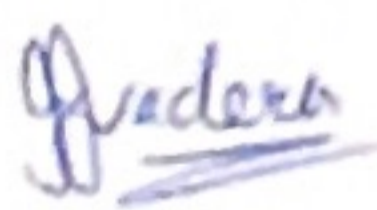
Title: Customer Support Engineer

Company: Radox Laboratories India (P) Limited

### Customer authorization:

Name: Dr. Anil Savaliya

Title: pathologist



Jinesh Vadera

Engineer Name & Signature

Date : 18-01-2021



Customer Signature

Date : 18-01-2021



## Rx Daytona+

# Clinical Chemistry Analyzer

### **Installation Qualification**

Reference: Service Manual

1. Unpacking the Analytical Unit
2. Checking inventory
3. Placing the Analytical Unit
4. Detaching Analytical unit protection plates
5. Checking & adjusting the surface level where Analytical unit is placed using level sensors
6. Connecting the peripherals to the Analytical unit like Waste containers, tubing's
7. Filling the System Water and Wash Solutions in the containers
8. Installing & interfacing the interface cable & PC to the Analytical Unit
9. Connecting the printer
10. Seating the circuit boards and checking connections
11. Performing Final Visual Inspection
12. Applying power to the Analytical Unit
13. Installing the software

**Rx Daytona+**

**OPERATIONAL QUALIFICATION**

**FOR**

**Arpan Diagnostic Centre**

**RANDOX LABORATORIES INDIA (P) LIMITED**

## Rx Daytona+

### **Clinical Chemistry Analyzer**

#### OPERATIONAL QUALIFICATION

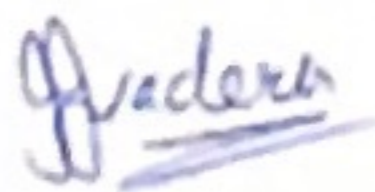
Reference: Operator and Service manual

1. Verifying configuration and alignment
2. Priming and filling the system
3. Daily maintenance procedure
4. Weekly maintenance procedure
5. Performing System Check Procedure
6. Customer Training – Operation and Maintenance

## SYSTEM CHECK PROCEDURE

SYSTEM CHECK	ACCEPTABLE RESULTS	OBTAINED RESULTS
Cuvette check	< 0.5 Abs for all cuvettes	0.18 – 0.29 for all cuvettes
Photometer check	< 0.5 Abs at all filters	0.25 – 0.29 at all filters
Incubator temperature check	37 Deg Centigrade with max 0.3 Deg variation	Within acceptable range
Reagent compartment cooling check	8 to 15 deg Centigrade	Within acceptable range
Sensor status check	Status On / Off	Ok for all sensors

The results obtained are as per specifications



Engineer signature



Customer signature

**Rx Daytona+**

100

**PERFORMANCE QUALIFICATION**

**FOR**

**Arpan Diagnostic Centre**

**RANDOX LABORATORIES INDIA (P) LIMITED**

## **Rx Daytona+**

### **Clinical Chemistry Analyzer**

#### **PERFORMANCE QUALIFICATION**

1. Calibrating Assays and running Controls

**Chemistries: ALT, CREATININE, UREA, GLUCOSE, AST, ALB, TBIL, DBIL, ALP, TP, UA, HDL, TG, CRP.**

Calibrator CAL-2 (1320UN), CAL-3 (1086UE)

Calibrator

Q. C. L-2 (1390UN)

Q. C. L-3 (1102UE)

**Controls and Calibrators: CAL2 (1320UN), CAL3 (1086UE), L2 QC (1390UN), L3 QC (1102UE)**

The chemistry parameters were standardized & controls run for them.  
The SD and CV are within acceptable range

## **Training Schedule**

### **(Conduct of Training)**

During the course of training the following training requirements have been covered

1. System hardware & Software review
2. System configuration and supply management
3. Sample processing & Test results
4. Calibration & Review
5. Quality Controls
6. Maintenance : Daily & Weekly
7. Diagnostics & Trouble shooting

## PERFORMANCE QUALIFICATION

### System Certification

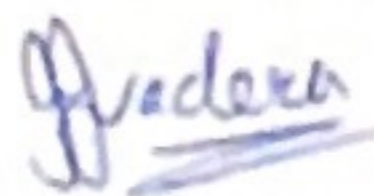
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Exceptional conditions, if any have been addressed.  
The system is ready for specified usage.

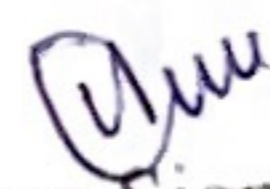
Protocol performed by: Radox Laboratories Representative  
Name: Jinesh Vadera  
Title: Customer Support Engineer  
Company: Radox Laboratories India (P) Limited

### Customer authorization:

Name: Dr. Anil Savaliya  
Title: Pathologist



Jinesh Vadera  
Engineer Name & Signature  
Date: 18-01-2021

  
Customer Signature  
Date 18-1-2021



## Calibration Certificate Rx Daytona+

Instrument	Rx Daytona+ Clinical Chemistry Analyser
Serial No	7201-0189
Account Name	Arpan Diagnostic Centre, Rajkot
Installation Date	16/12/2020
Calibration Date	16/07/2021
Next Calibration Due	16/01/2022

This is to certify that this analyser has been inspected and calibrated for following parameters:

Test Parameter	Target Value	Obtained Value
Input Voltage	230 -240 V AC	231 V AC
Cuvette Check	< 0.50 Abs for all cuvettes	< 0.18 Abs for all cuvettes
Photometer Gain Check	< 127 for all wavelengths	Between 1 to 104 for all wavelengths.
Gain Voltage for all wavelengths	> 8.5 V DC	Between 8.6 to 9.13 V DC
Absorbance for all wavelengths	50 - 150 Abs	65 - 105 Abs
Check Lamp voltage	< 8.3 V DC	8.3 V DC
Incubator Temperature	37° C ± 0.3 max	37.0° C
Reagent Tray Temperature	8- 15 ° C	7.84° C
12V Lamp Supply	12 ± 0.3 volts	12.06 volts
5V Supply	5 ± 0.3 volts	5.04 volts
24V Supply	24 ± 0.3 volts	24.05 volts

The results obtained are as per specifications & tolerance ranges. The above calibration was done with an M/s. Mastech Digital Multimeter. (Model no. MAS830L). (Calibration certificate is enclosed herewith).

**Thank You**

Shyam Kale

Customer Support Engineer, Mumbai.

## Calibration Certificate Rx Daytona+

Instrument	Rx Daytona+ Clinical Chemistry Analyser
Serial No	7201-0189
Account Name	Arpan Diagnostic Centre, Rajkot
Installation Date	16/12/2020
Calibration Date	02/02/2022
Next Calibration Due	02/08/2022

This is to certify that this analyser has been inspected and calibrated for following parameters:

Test Parameter	Target Value	Obtained Value
Input Voltage	230 -240 V AC	231 V AC
Cuvette Check	< 0.50 Abs for all cuvettes	< 0.18 Abs for all cuvettes
Photometer Gain Check	< 127 for all wavelengths	Between 1 to 104 for all wavelengths.
Gain Voltage for all wavelengths	> 8.5 V DC	Between 8.6 to 9.13 V DC
Absorbance for all wavelengths	50 - 150 Abs	65 - 105 Abs
Check Lamp voltage	< 8.3 V DC	8.3 V DC
Incubator Temperature	37° C ± 0.3 max	37.0° C
Reagent Tray Temperature	8- 15° C	7.84° C
12V Lamp Supply	12 ± 0.3 volts	12.06 volts
5V Supply	5 ± 0.3 volts	5.04 volts
24V Supply	24 ± 0.3 volts	24.05 volts

The results obtained are as per specifications & tolerance ranges. The above calibration was done with an M/s. Mastech Digital Multimeter. (Model no. MAS830L). (Calibration certificate is enclosed herewith).

**Thank You**

**Shyam Kale**

Customer Support Engineer, Mumbai.



COMMITTED TO THE  
CUSTOMER SINCE - 1996

# VAIDYANATHESHWARA INSTRUMENTS

## CERTIFICATE OF CALIBRATION



CERTIFICATE NO  
CC-3473

No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.

Contact : 080-23377266, Mob : 9986586789 / 9448080177 / 9964308118 | Email : info@viplgroup.com Web : www.viplgroup.com

NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 With vide Certificate No: CC-2473

Certificate No. VI/21-22/0105-07

Page No: 3 of 3

Results Continued....

Sl. No.	Parameter	Range	STD Input	DUC Reading	Error Claimed (±)	Error Observed	Measurement Uncertainty (±)	K Factor
31	DC Current	200 µA	20 µA	20.1 µA	0.5 µA	0.1 µA	0.0054 µA	2.0
32			100	100.4	1.3	0.4	0.0270	2.0
33			180	180.5	2.1	0.5	0.0486	2.0
34		2 mA	0.2 mA	0.201 mA	0.005 mA	0.001 mA	0.00003 mA	2.0
35			1	1.003	0.013	0.003	0.00016	2.0
36			1.8	1.805	0.021	0.005	0.00029	2.0
37		20 mA	2 mA	2.01 mA	0.07 mA	0.01 mA	0.0002 mA	2.0
38			10	10.04	0.15	0.04	0.0011	2.0
39			18	18.07	0.23	0.07	0.0020	2.0
40		200 mA	20 mA	20.1 mA	0.8 mA	0.1 mA	0.0054 mA	2.0
41			100	100.4	2.0	0.4	0.0270	2.0
42			180	180.8	3.2	0.8	0.0486	2.0
43		10A	1 A	1.01 A	0.13 A	0.01 A	0.0006 A	2.0
44			5	5.06	0.25	0.06	0.0055	2.0
45			9	9.10	0.37	0.10	0.0099	2.0
46	AC Voltage @ 50 Hz	200 V	20 V	20.1 V	1.2 V	0.1 V	0.0086 V	2.0
47			100	100.6	2.2	0.6	0.0230	2.0
48			180	180.8	3.2	0.8	0.0414	2.0
49		600 V	60 V	61 V	11 V	1 V	0.0138 V	2.0
50			300	301	14	1	0.0690	2.0
51			540	542	16	2	0.1890	2.0

Note:-

Diode & Continuity functions are checked & found satisfactory.

### Conclusion Remarks:-

- 1 Measured readings are reported.
- 2 Measurement uncertainty reported is at 95.45 % confidence level.
- 3 All the readings are within the specified accuracy limit and found ok.

Calibrated By

*Navya*

Navya

(Calibration Engineer)

Checked By

*Hemanth*

Hemanth

(Lab In-Charge)





COMMITTED TO THE CUSTOMER SINCE - 1996

# Vaidyanatheshwara INSTRUMENTS

## CERTIFICATE OF CALIBRATION



No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.

Contact : 080-23377266, Mob : 9986586789 / 9448080177 / 9964308118 | Email : info@viplgroup.com Web : www.viplgroup.com

NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 With vide Certificate No: CC-2473

Certificate No. VI/21-22/0105-07

Page No: 2 of 3

### Results:

Sl. No.	Parameter	Range	STD Input	DUC Reading	Error Claimed ( $\pm$ )	Error Observed	Measurement Uncertainty ( $\pm$ )	K Factor
1	DC Voltage	200mV	20 mV	20.1 mV	0.4 mV	0.1 mV	0.0008 mV	2.0
2			100	100.4	0.8	0.4	0.0039	2.0
3			180	180.5	1.2	0.5	0.0070	2.0
4		2 V	0.2 V	0.203 V	0.004 V	0.003 V	0.000003 V	2.0
5			1.0	1.005	0.008	0.005	0.000016	2.0
6			1.8	1.807	0.012	0.007	0.000029	2.0
7		20 V	2V	2.01 V	0.04 V	0.01 V	0.000032 V	2.0
8			10	10.04	0.08	0.04	0.000160	2.0
9			18	18.06	0.12	0.06	0.000288	2.0
10		200 V	20 V	20.1 V	0.4 V	0.1 V	0.00046 V	2.0
11			100	100.2	0.8	0.2	0.00230	2.0
12			180	180.6	1.2	0.6	0.00414	2.0
13		600 V	60 V	61 V	5 V	1 V	0.00138 V	2.0
14			300	301	7	1	0.00690	2.0
15			540	541	9	1	0.01242	2.0
16	Resistance	200 $\Omega$	20 $\Omega$	20.1 $\Omega$	0.7 $\Omega$	0.1 $\Omega$	0.0008 $\Omega$	2.0
17			100	100.2	1.3	0.2	0.0040	2.0
18			180	180.5	1.9	0.5	0.0072	2.0
19		2 k $\Omega$	0.2 k $\Omega$	0.201 k $\Omega$	0.004 k $\Omega$	0.001 k $\Omega$	0.00001 k $\Omega$	2.0
20			1.0	1.003	0.010	0.003	0.00004	2.0
21			1.8	1.805	0.016	0.005	0.00006	2.0
22		20 k $\Omega$	2 k $\Omega$	2.01 k $\Omega$	0.04 k $\Omega$	0.01 k $\Omega$	0.00007 k $\Omega$	2.0
23			10	10.04	0.10	0.04	0.00035	2.0
24			18	18.08	0.16	0.08	0.00063	2.0
25		200 k $\Omega$	20 k $\Omega$	20.1 k $\Omega$	0.4 k $\Omega$	0.1 k $\Omega$	0.00070 k $\Omega$	2.0
26			100	100.2	1.0	0.2	0.00350	2.0
27			180	180.6	1.6	0.6	0.00630	2.0
28		2 M $\Omega$	0.2 M $\Omega$	0.201 M $\Omega$	0.007 M $\Omega$	0.001 M $\Omega$	0.00001 M $\Omega$	2.0
29			1	1.003	0.015	0.003	0.00004	2.0
30	1.8		1.808	0.023	0.008	0.00007	2.0	

Calibrated By

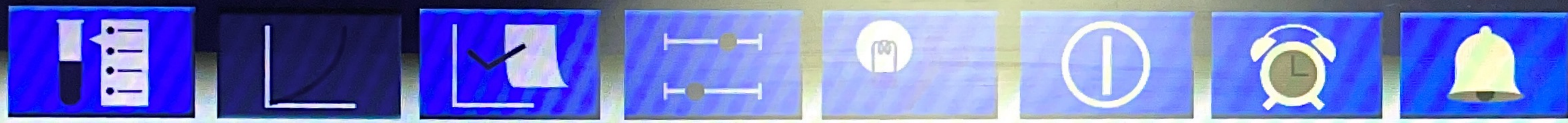
*ref*  
Navya  
(Calibration Engineer)

Checked By

*Hemant*  
Hemanth  
(Lab In-Charge)

Authorised By

*Gangadhar C.K*  
Gangadhar C.K  
Nandhini Layout, Bangalore-96



### Calibration Registration

Method No.

Method Name

Sample Type

Replication

Check Interval

Test without Calibration

Calibration Type

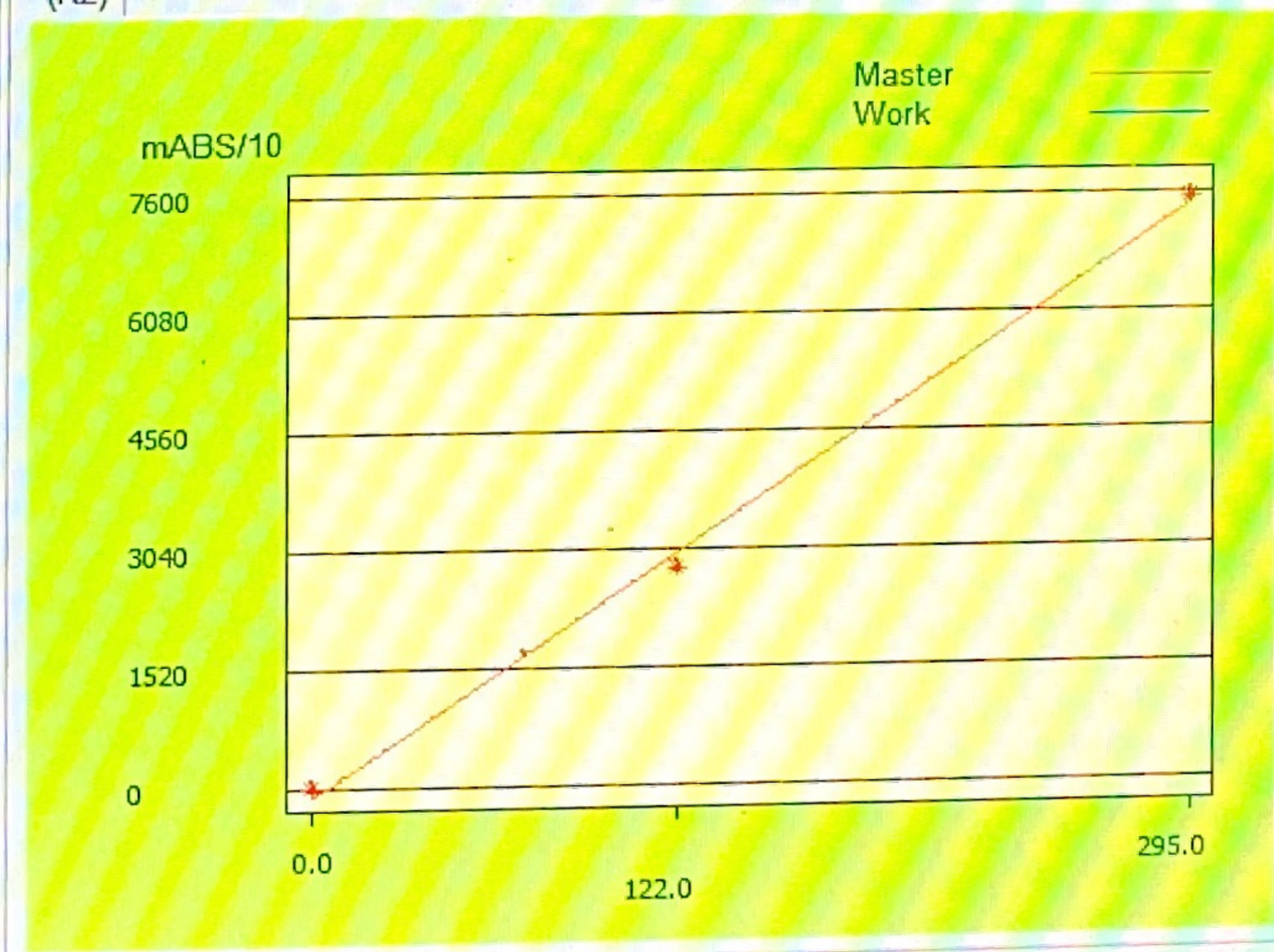
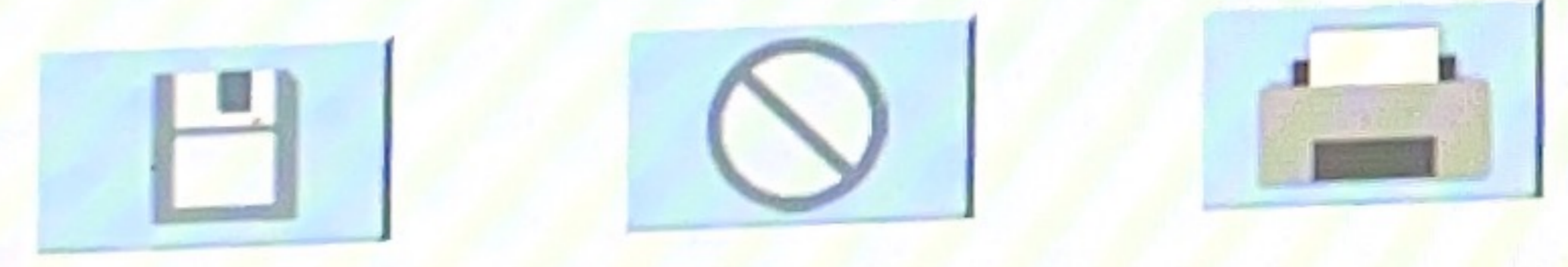
Reagent Lot

Calibrator Name

Reagent Lot No.  
 (R1)  Last   
 (R2)

	Conc.	WORK	MASTER	Calibrator Lot No.	<input type="checkbox"/> All
C1	0.0	8	8	SALINE	
C2	122.0	2800	2800	1529UN	
C3	295.0	7566	7566	1086UE	
C4					
C5					
C6					
C7					

C1 Blank  
 Reagent Blank for C1



Reagent blank  mAbs/10 Last

Blank  mAbs/10 Last

Calibration Curve  Conc.   
 Absorbance  mAbs/10

Calibration Registration

Method No.

Method Name

Sample Type

Replication

Check Interval

Test without Calibration

Calibration Type

Reagent Lot

Calibrator Name

Reagent Lot No.

(R1)  Last

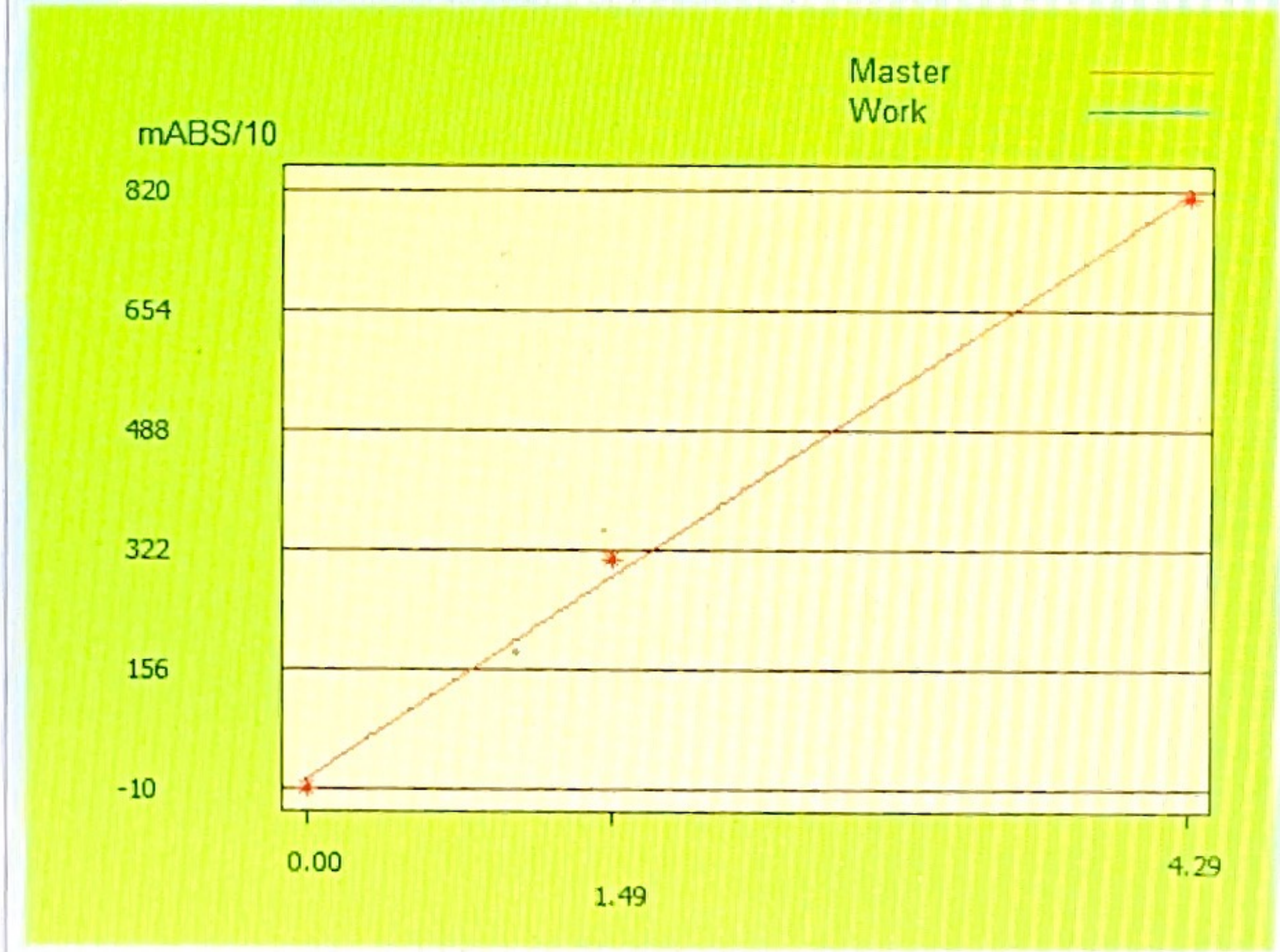
(R2)

Conc.	WORK	MASTER	Calibrator Lot No.	<input type="checkbox"/> All
C1	0.00	-9	-9	SALINE
C2	1.49	311	311	1529UN
C3	4.29	810	810	1086UE
C4				
C5				
C6				
C7				

K

C1 Blank

Reagent Blank for C1

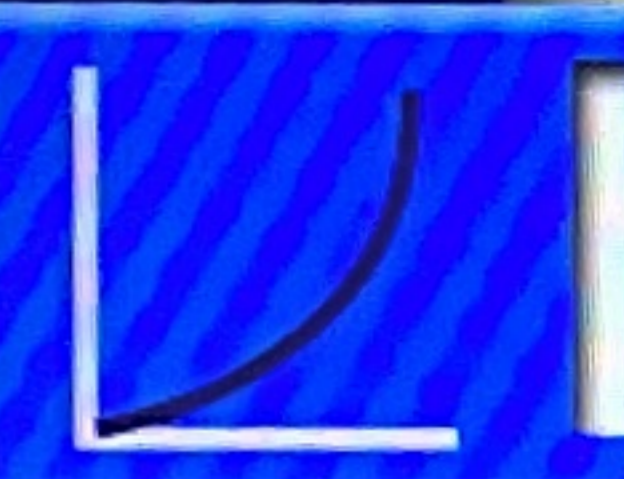
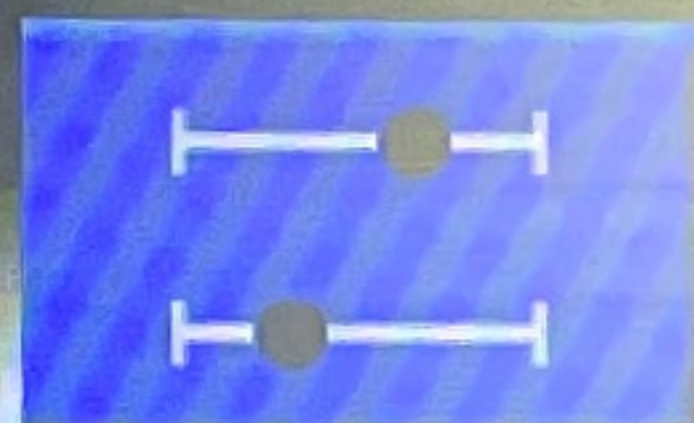
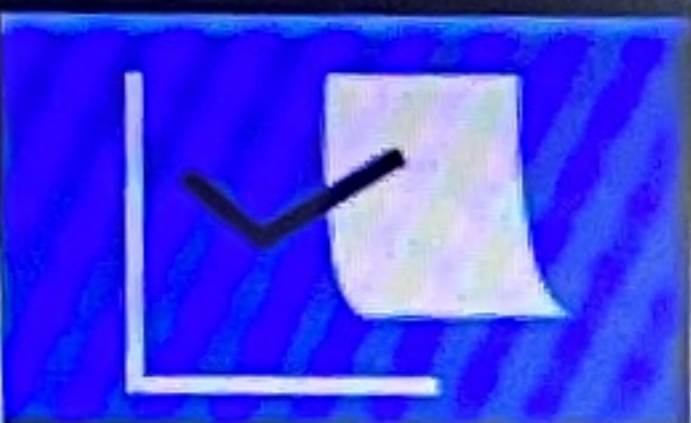
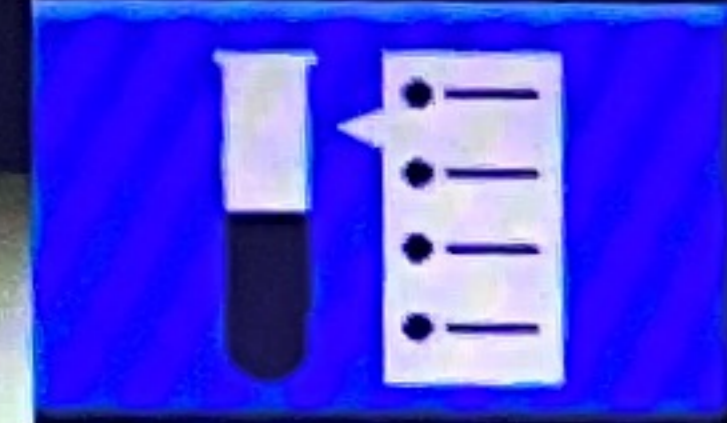
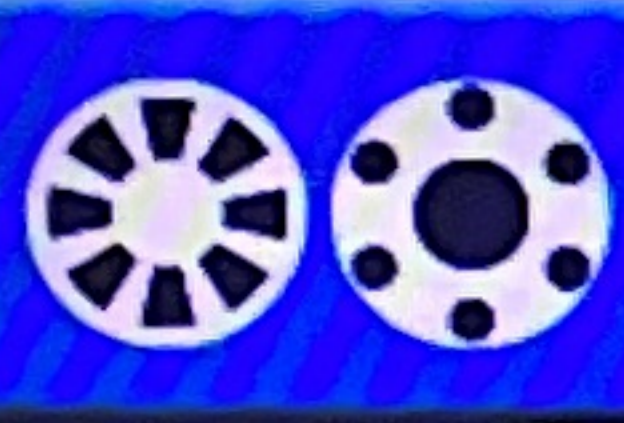


Reagent blank  mAbs/10 Last

Blank  mAbs/10 Last

Calibration Curve  Conc.

Absorbance  mAbs/10



Calibration Registration

Method No. 4

Method Name UREA

Sample Type Serum

Replication Duplicate

Check Interval 0

Test without Calibration Disable

Calibration Type Linear

Reagent Lot New Add

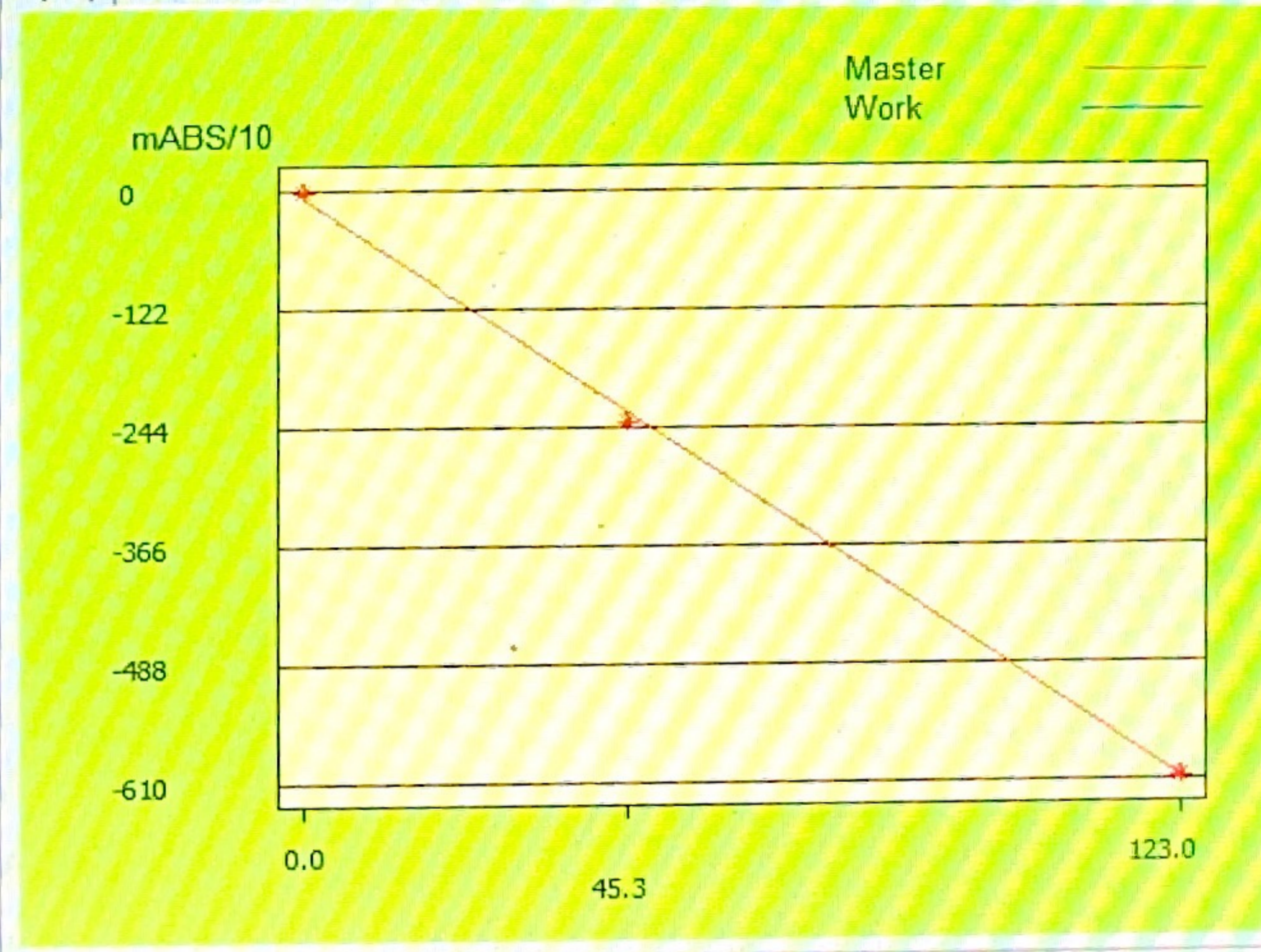
Calibrator Name Cal 3

Reagent Lot No.

(R1) 617

(R2) 618

Last 02/28/2022 10:33



Conc.	WORK	MASTER	Calibrator Lot No.	<input type="checkbox"/> All	
C1	0.0	-2	-2	SALINE	
C2	45.3	-237	-237	1529UN	
C3	123.0	-605	-605	1086UE	
C4					
C5					
C6					
C7					

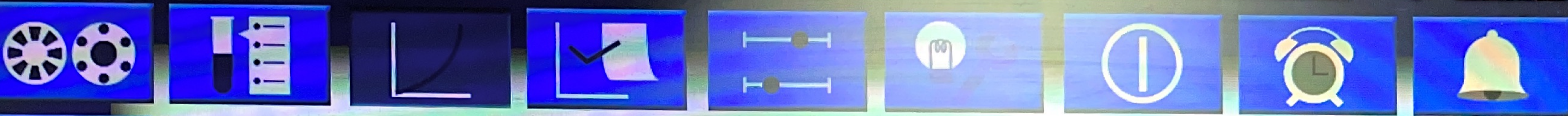
K -2047.330  C1 Blank  Reagent Blank for C1



Reagent blank -5.2 mAbs/10 Last 02/28/2022 10:25

Blank mAbs/10 Last

Calibration Curve Conc. Absorbance mAbs/10 Recalculation



### Calibration Registration

Method No.

Method Name

Sample Type

Replication

Check Interval

Test without Calibration

Calibration Type

Reagent Lot

Calibrator Name

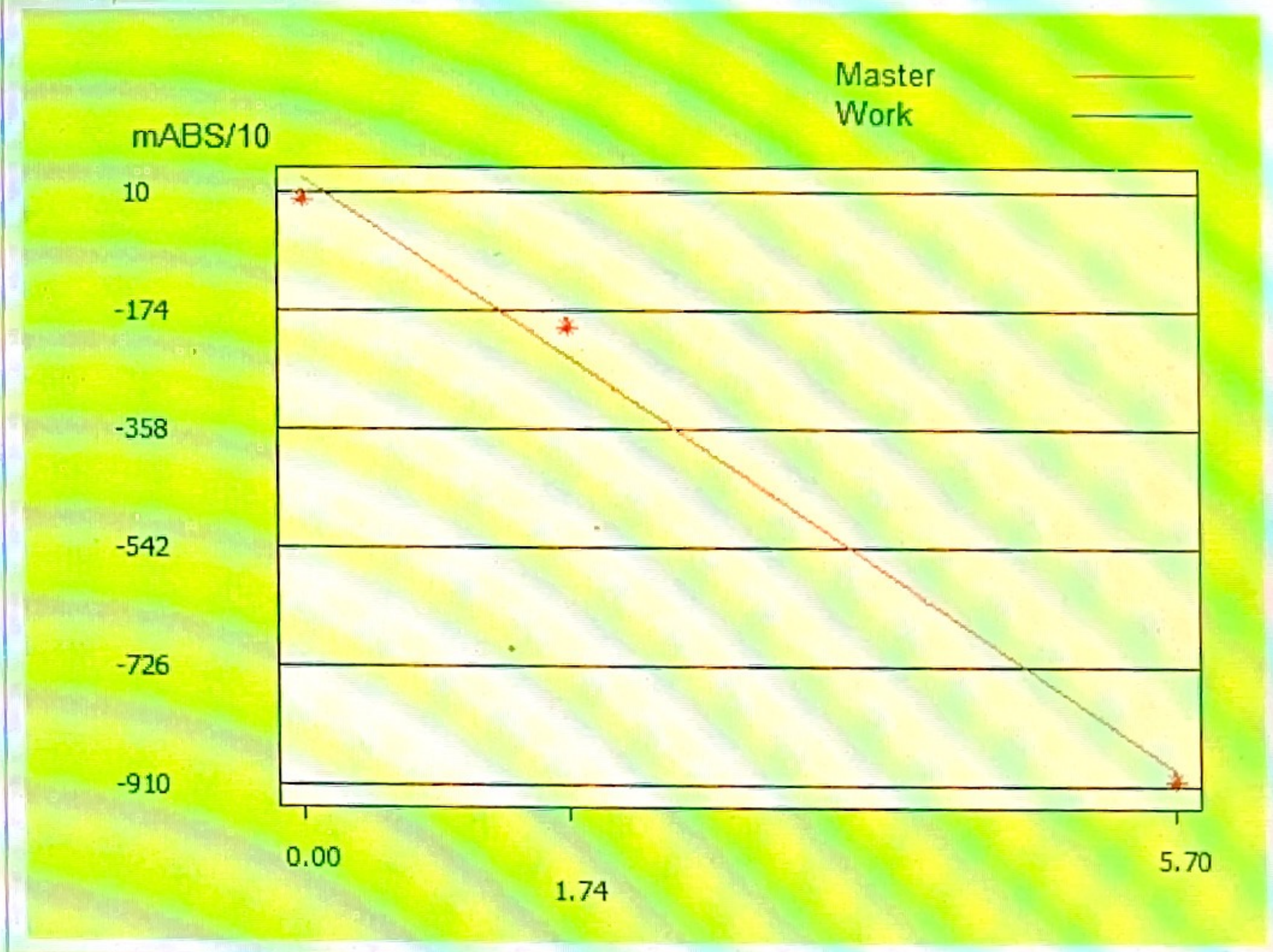
Reagent Lot No. (R1)  Last

(R2)

Conc.	WORK	MASTER	Calibrator Lot No.	<input type="checkbox"/> All
C1	0.00	2	2	SALINE
C2	1.74	-198	-198	1529UN
C3	5.70	-901	-901	1086UE
C4				
C5				
C6				
C7				

K   C1 Blank

Reagent Blank for C1



Reagent blank  mAbs/10 Last

Blank  mAbs/10 Last

Calibration Curve  Conc.

Absorbance  mAbs/10



### Calibration Registration

Method No.

Method Name

Sample Type

Replication

Check Interval

Test without Calibration

Calibration Type

Reagent Lot

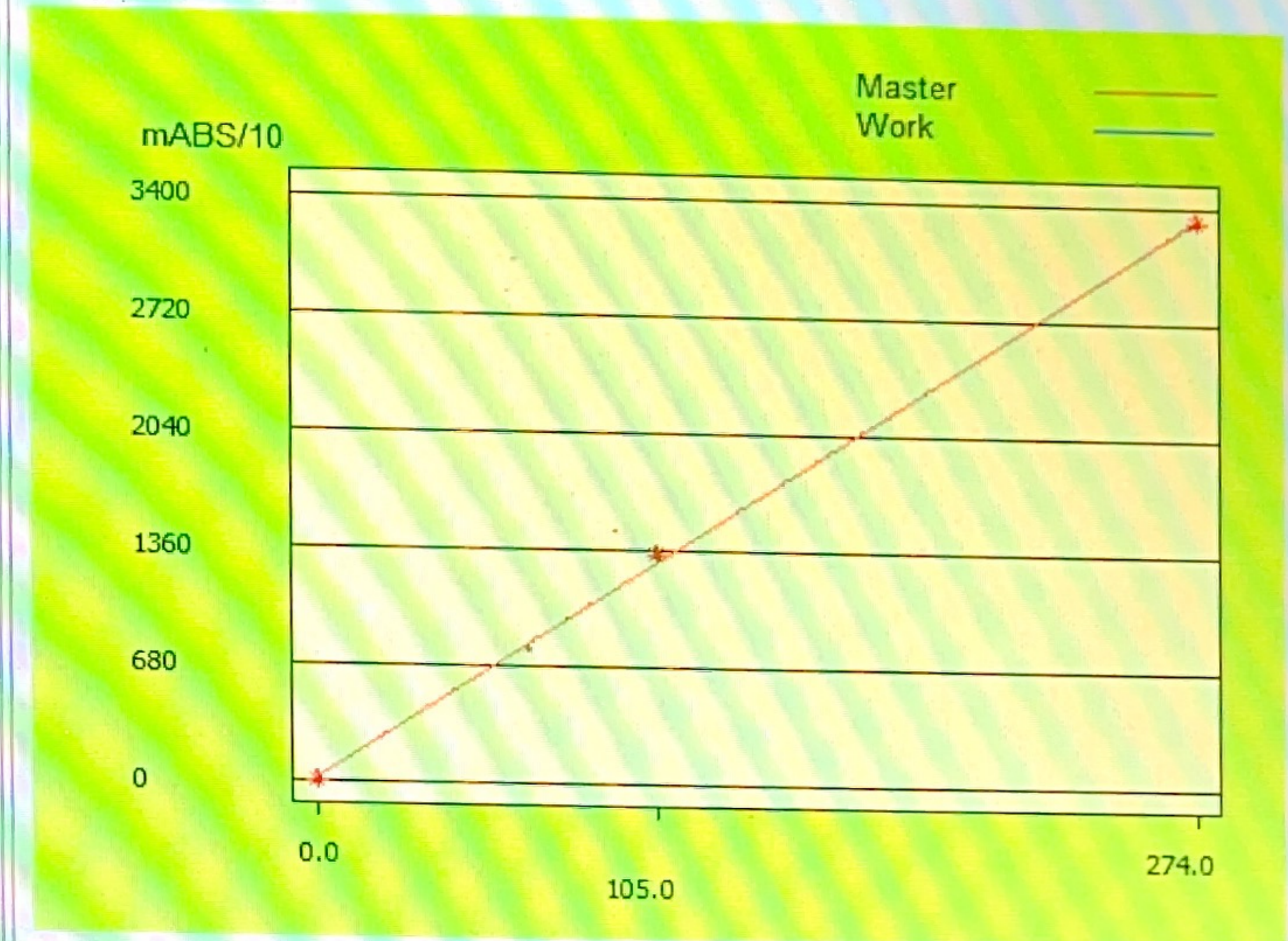
Calibrator Name

Reagent Lot No.

(R1)

Last

(R2)



Conc.	WORK	MASTER	Calibrator Lot No.	<input type="checkbox"/> All	
C1	0.0	3	3	SALINE	
C2	105.0	1339	1339	1529UN	
C3	274.0	3321	3321	1086UE	
C4					
C5					
C6					
C7					

K   C1 Blank  
 Reagent Blank for C1

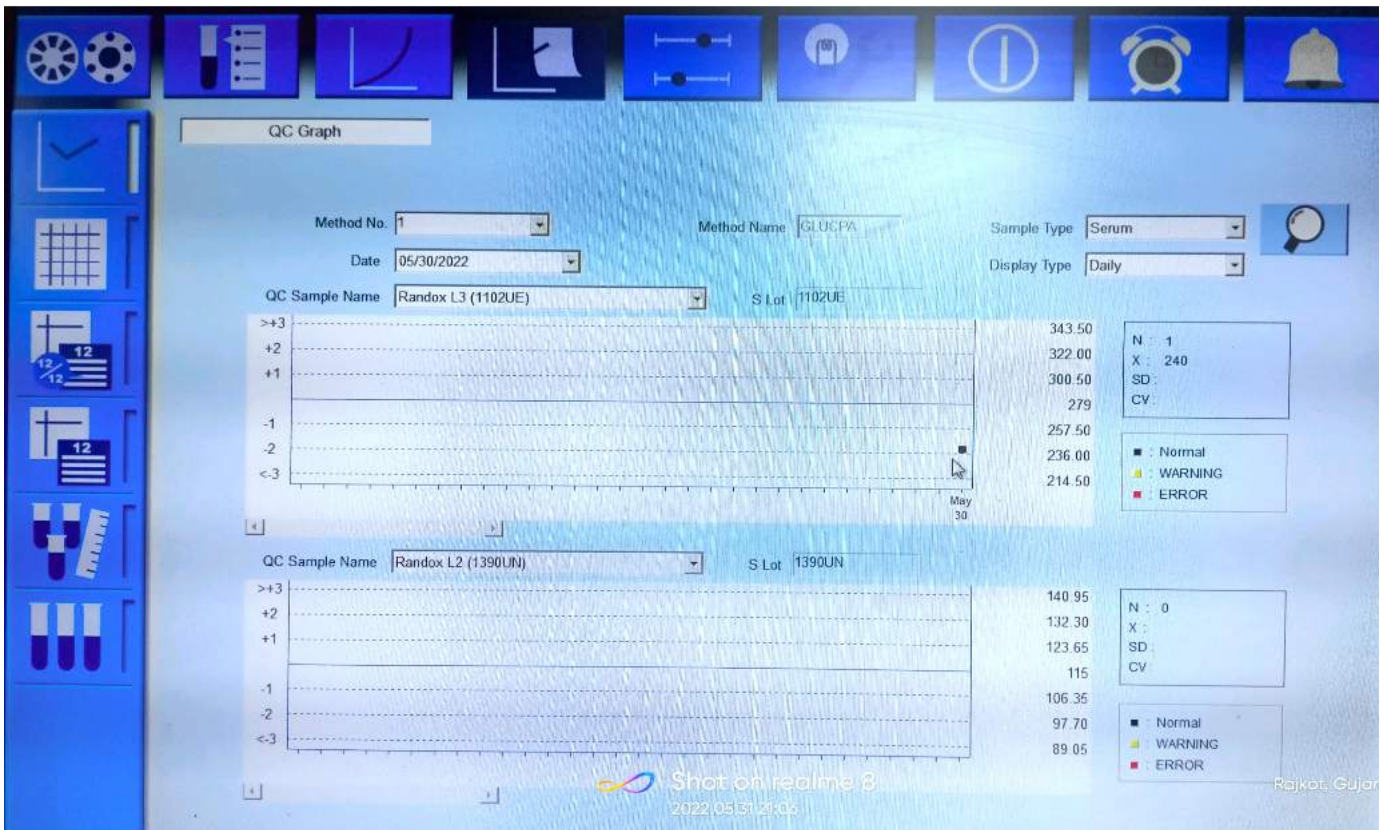


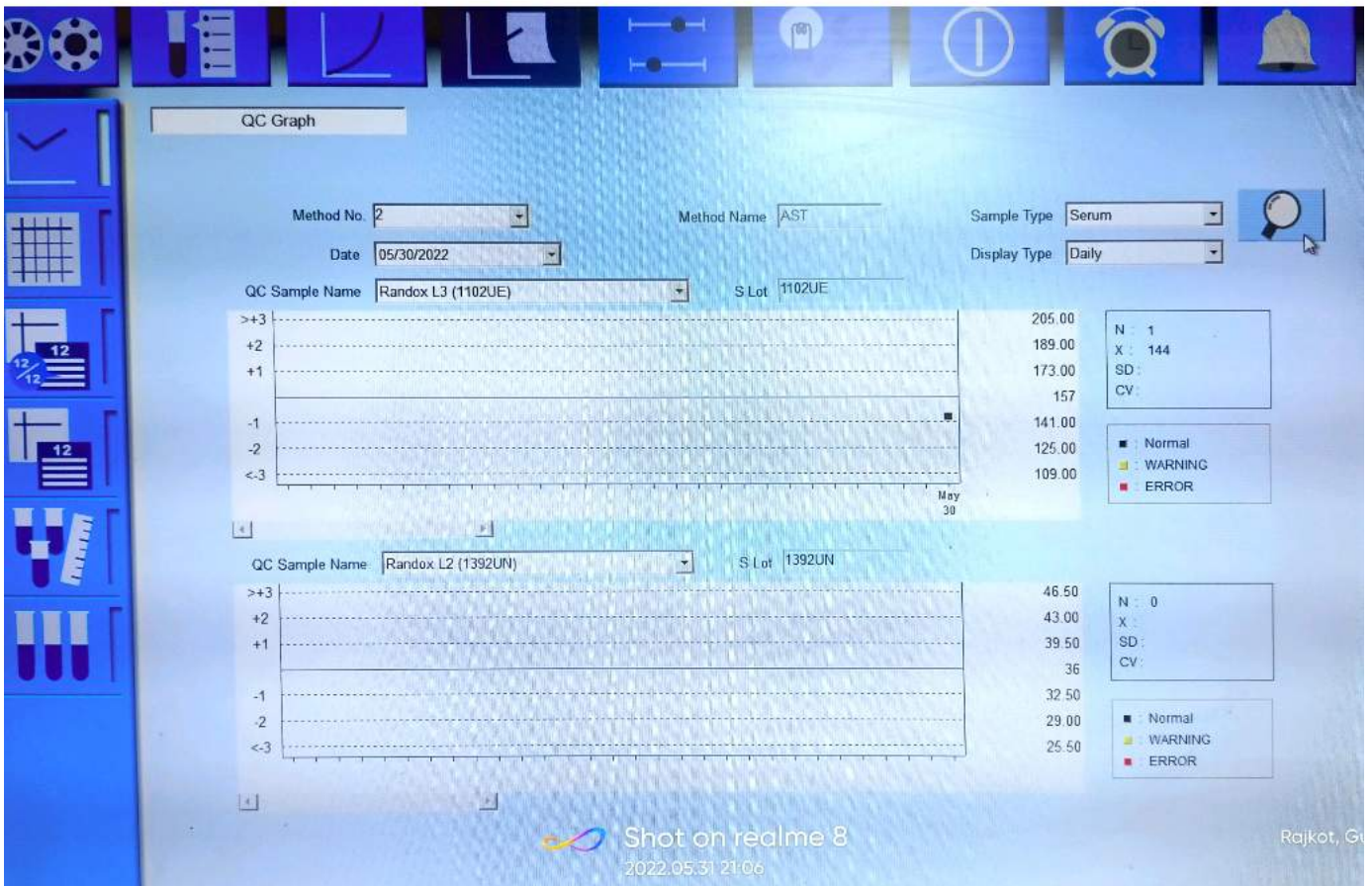
Reagent blank  mAbs/10 Last

Blank  mAbs/10 Last

Calibration Curve  Conc.

Absorbance  mAbs/10





QC Graph

Method No. 3

Method Name ALT

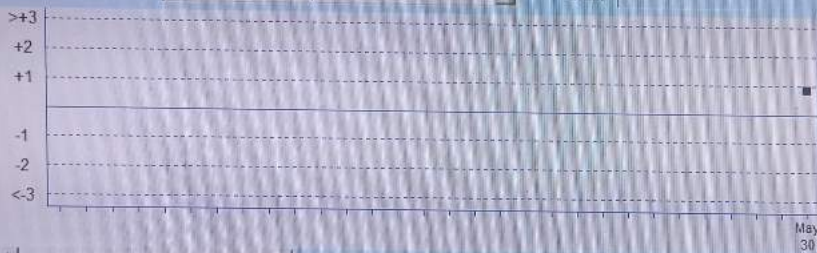
Sample Type Serum

Date 05/30/2022

Display Type Daily

QC Sample Name Randox L3 (1102UE)

S Lot 1102UE



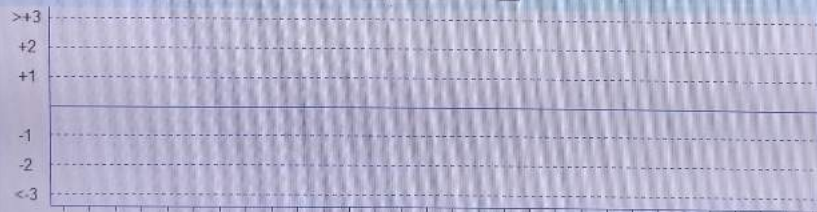
179.50  
166.00  
152.50  
139.0  
125.50  
112.00  
98.50

N : 1  
X : 150.9  
SD :  
CV :

■ : Normal  
■ : WARNING  
■ : ERROR

QC Sample Name Randox L2 (1392UN)

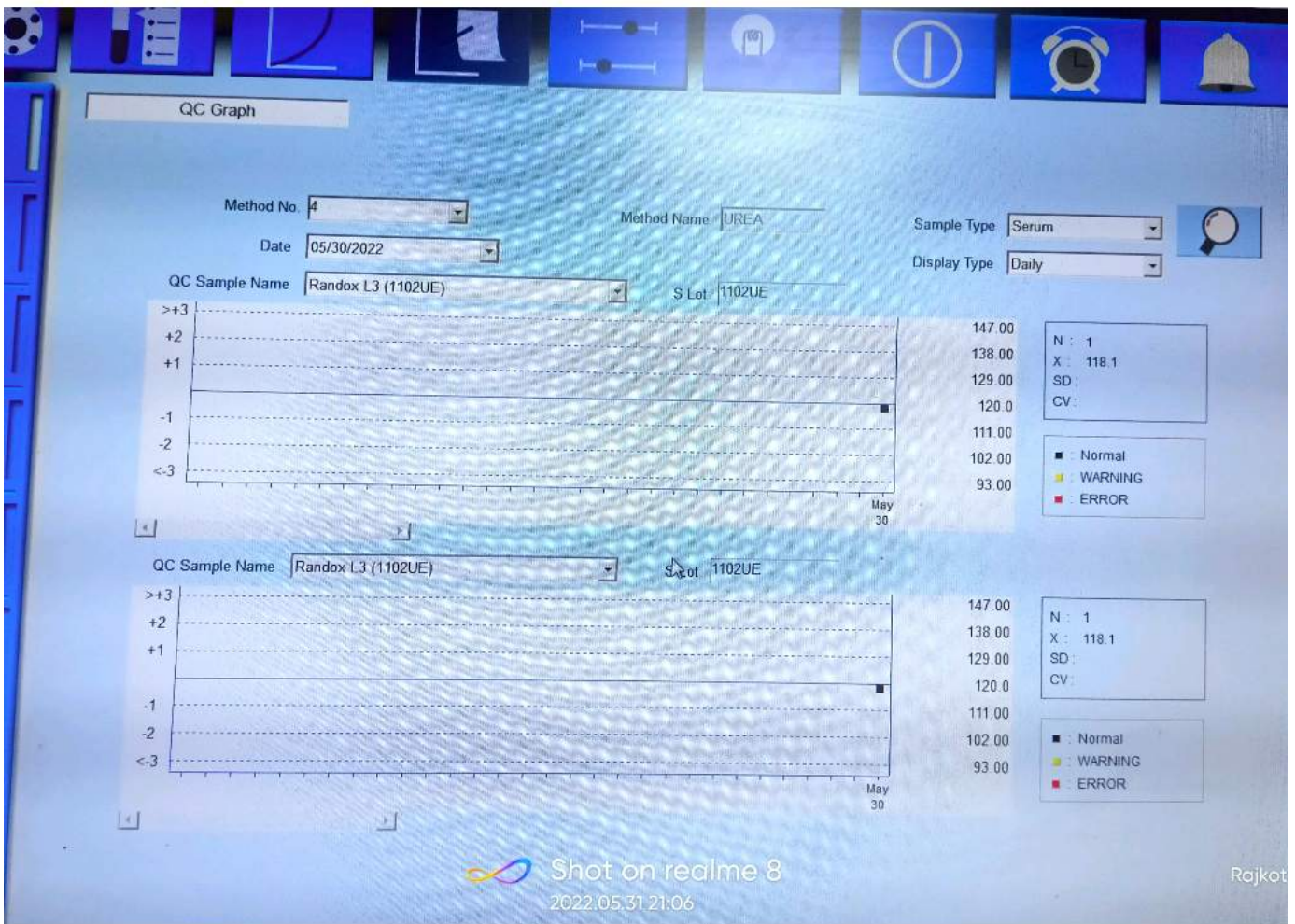
S Lot 1392UN

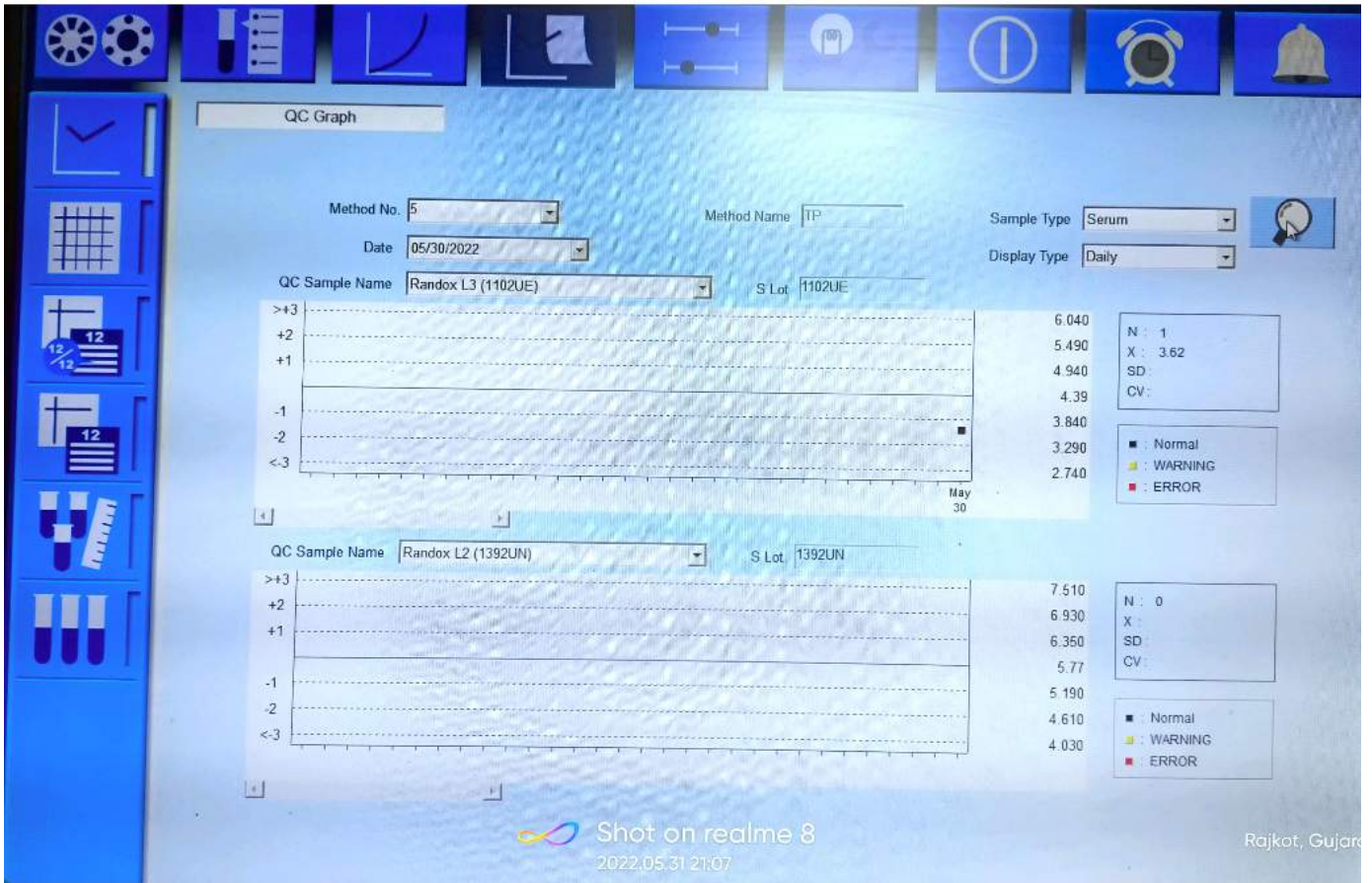


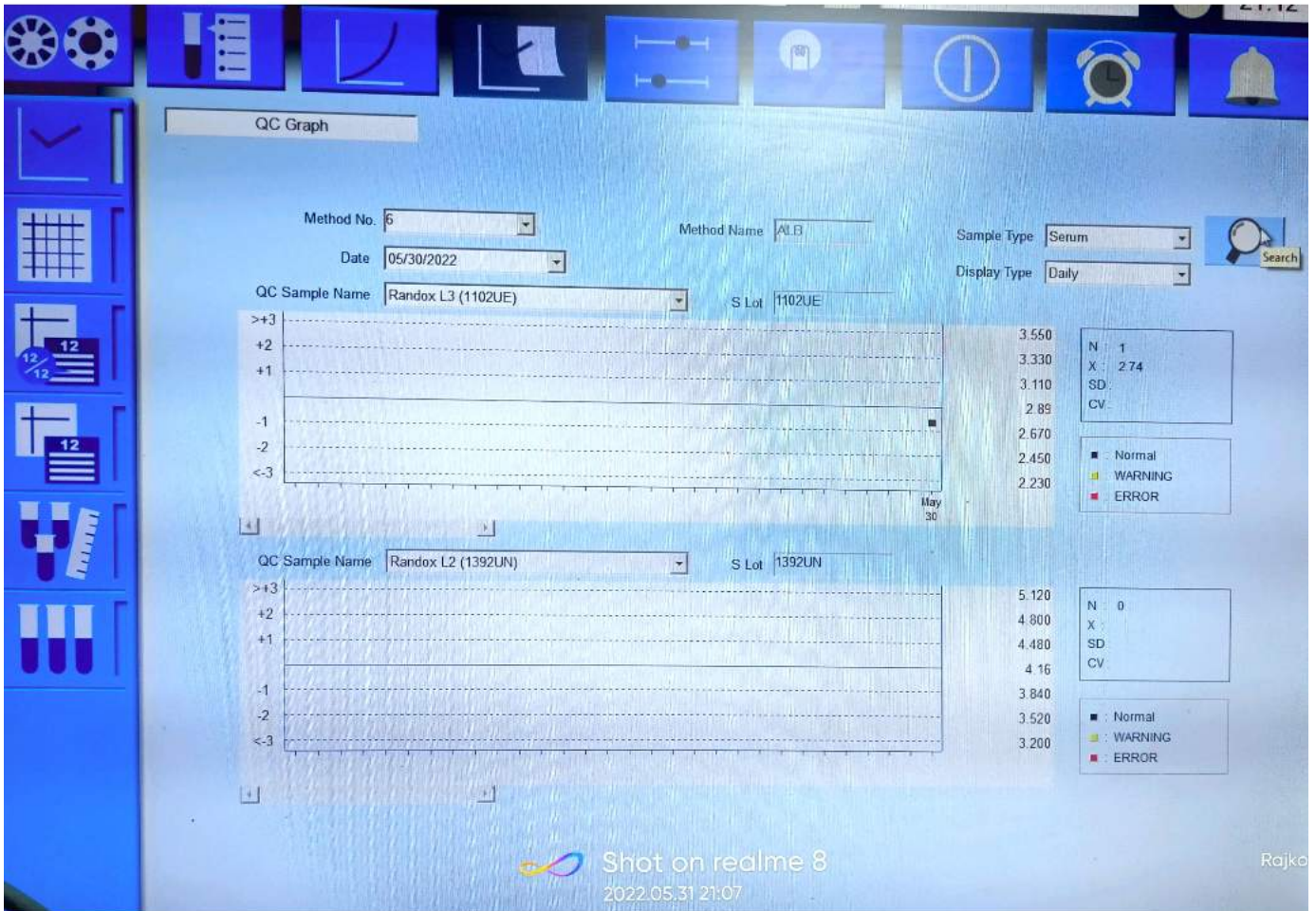
48.50  
45.00  
41.50  
38.0  
34.50  
31.00  
27.50

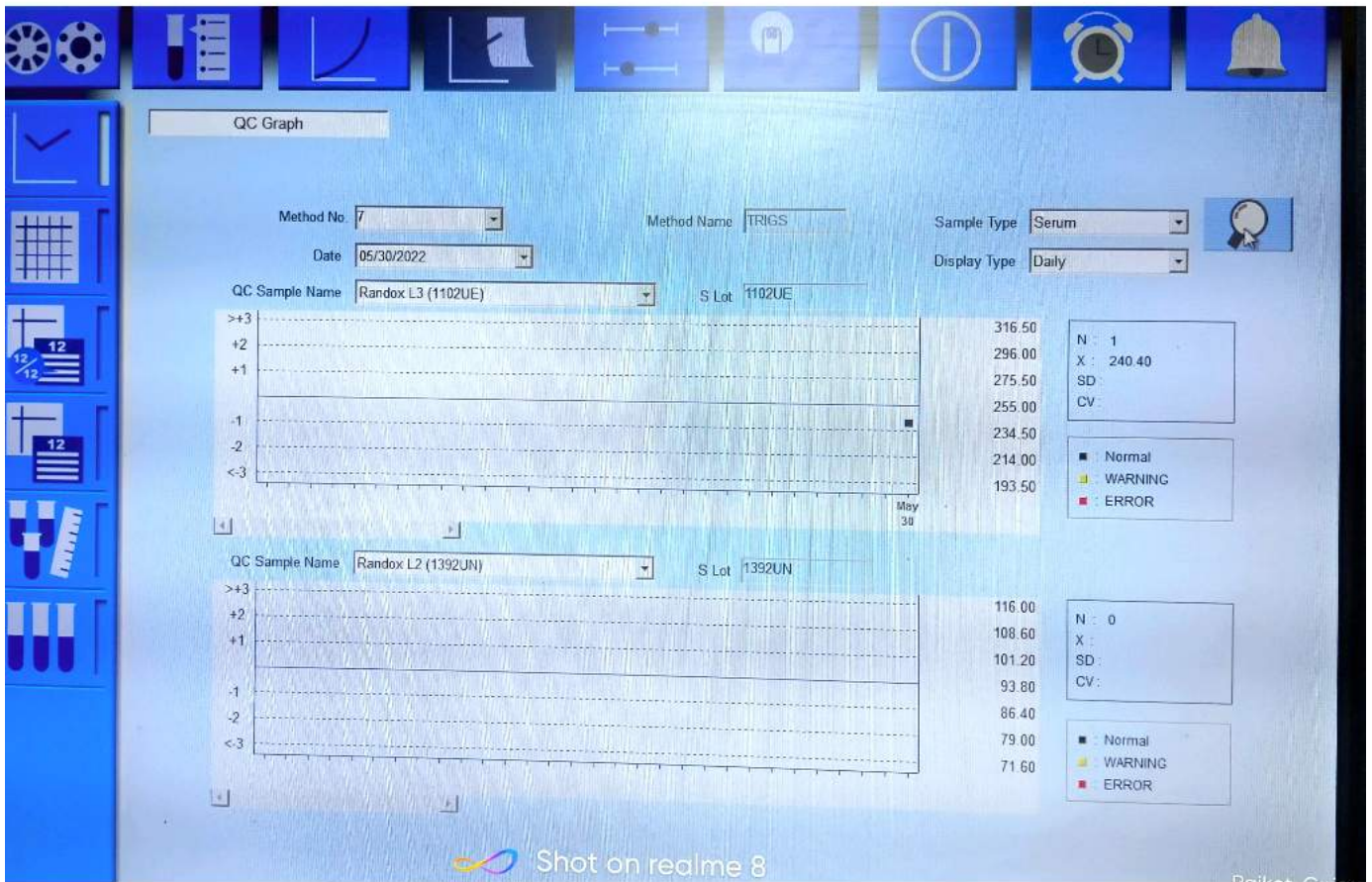
N : 0  
X :  
SD :  
CV :

■ : Normal  
■ : WARNING  
■ : ERROR











QC Graph

Method No. 8

Method Name CHOL

Sample Type Serum

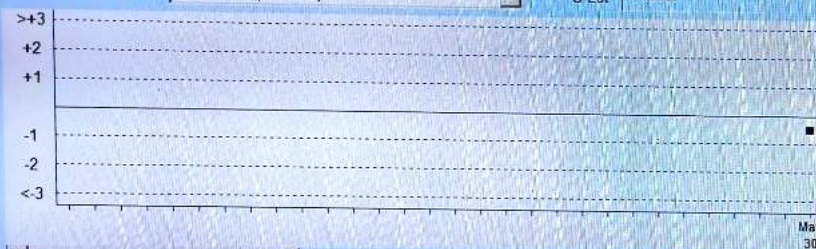
Date 05/30/2022

Display Type Daily



QC Sample Name Radox L3 (1102UE)

S Lot 1102UE



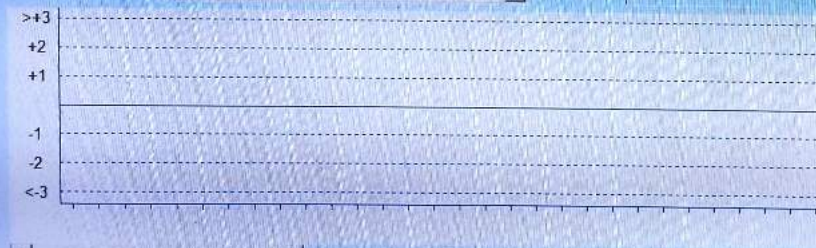
327.00  
309.00  
291.00  
273.0  
255.00  
237.00  
219.00

N : 1  
X : 264.0  
SD :  
CV :

■ : Normal  
■ : WARNING  
■ : ERROR

QC Sample Name Radox L2 (1392UN)

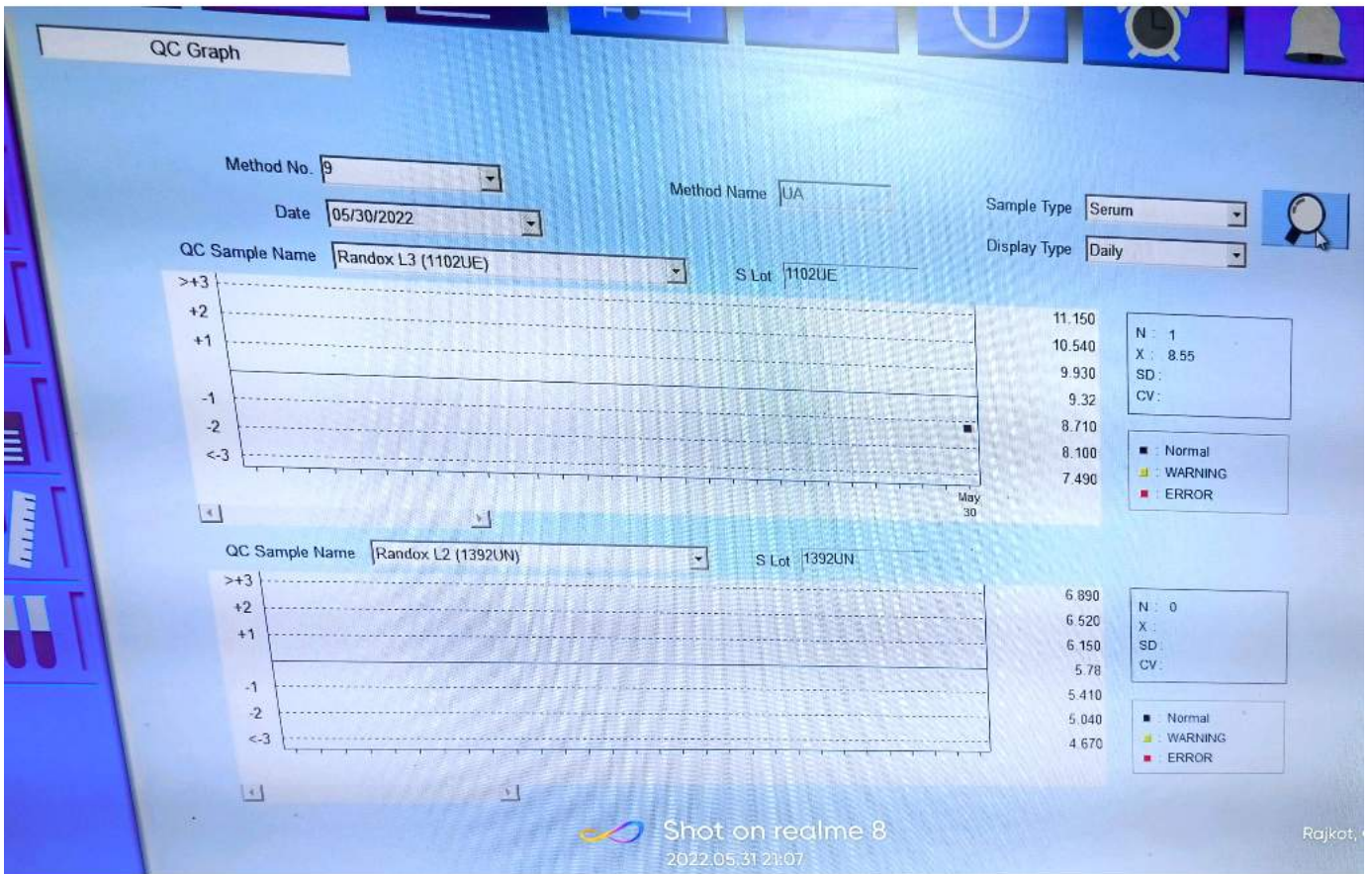
S Lot 1392UN

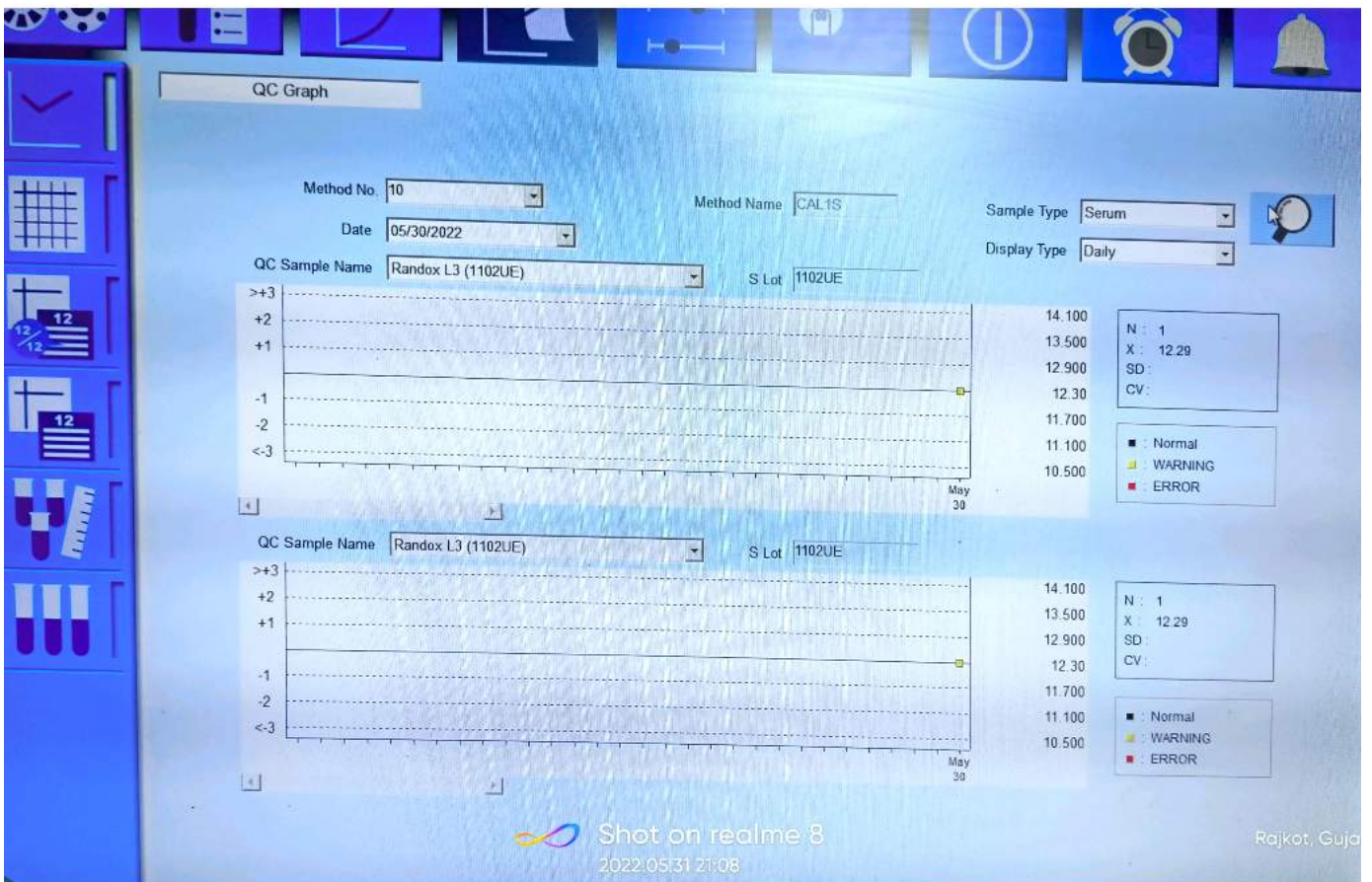


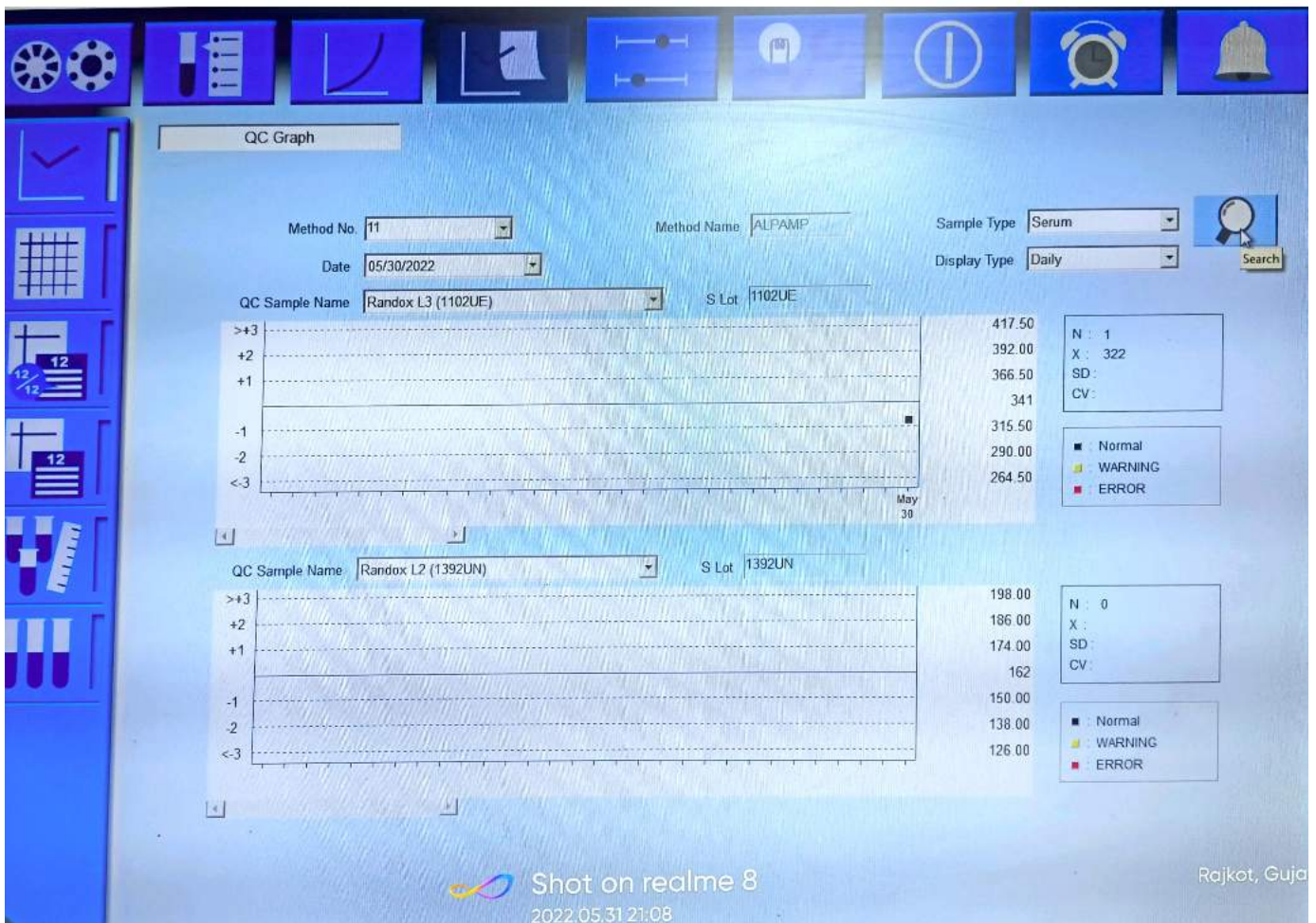
179.50  
170.00  
160.50  
151.0  
141.50  
132.00  
122.50

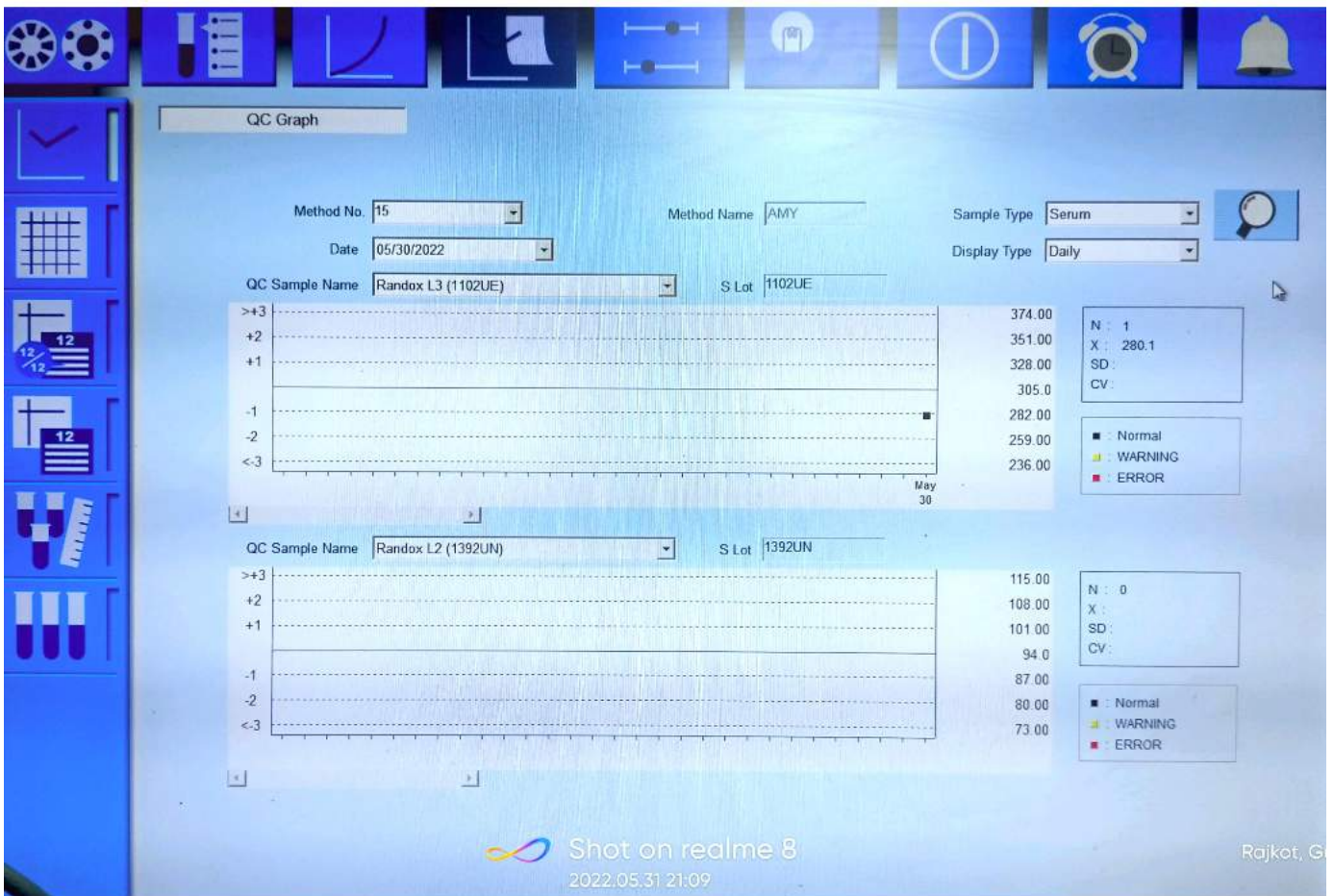
N : 0  
X :  
SD :  
CV :

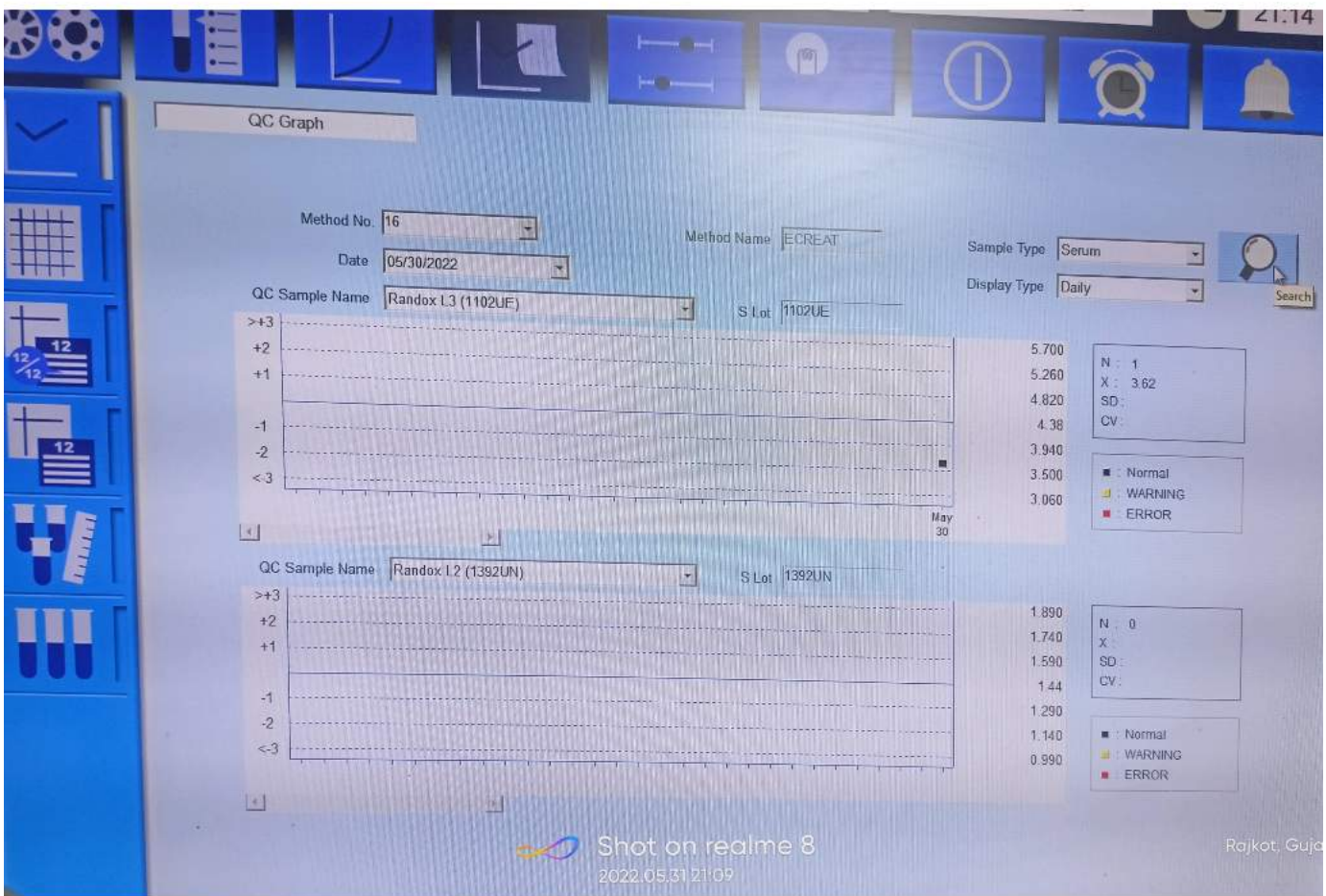
■ : Normal  
■ : WARNING  
■ : ERROR

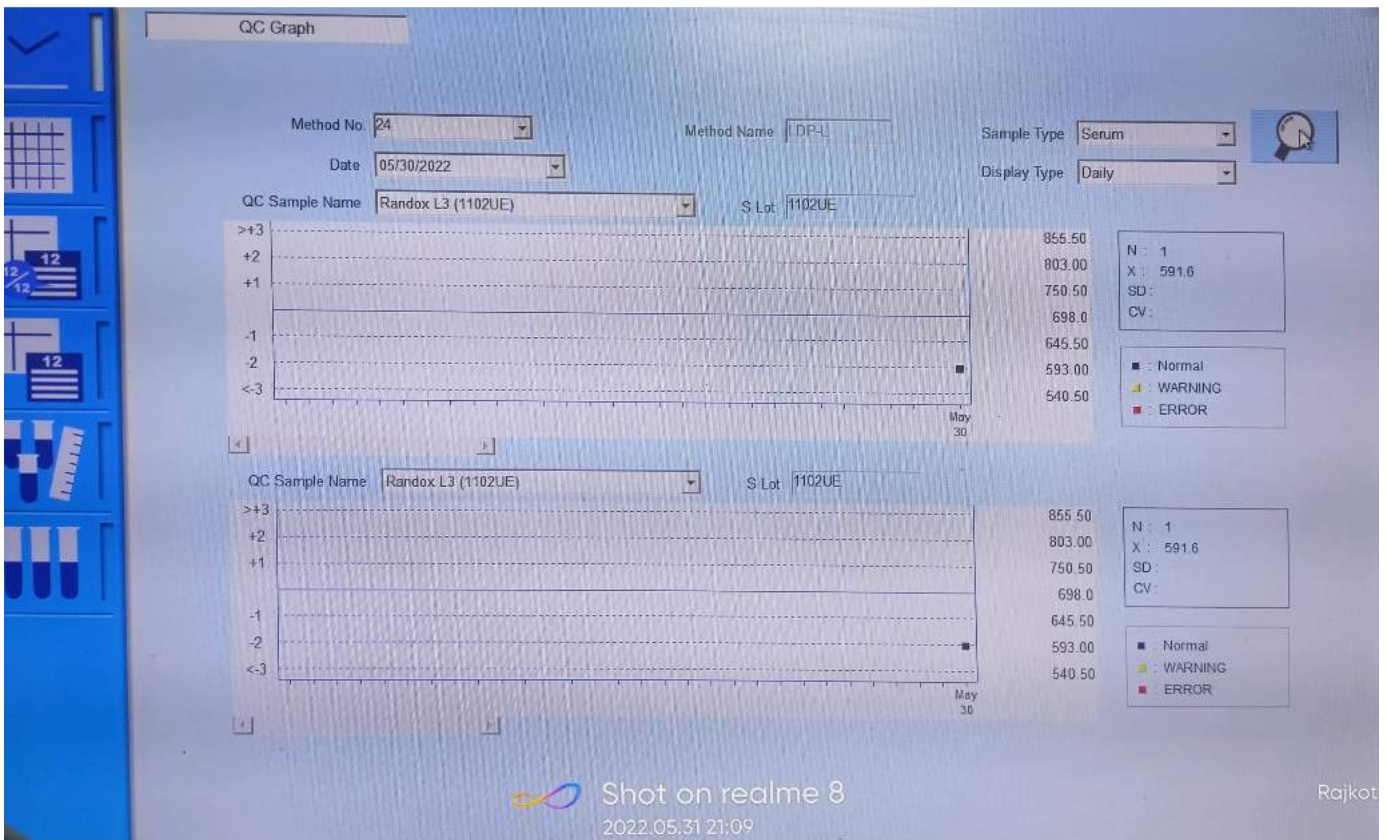








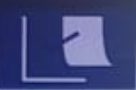




Sampling completed

06/01/2022

09:55



QC Graph

Method No. 12

Method Name DBL

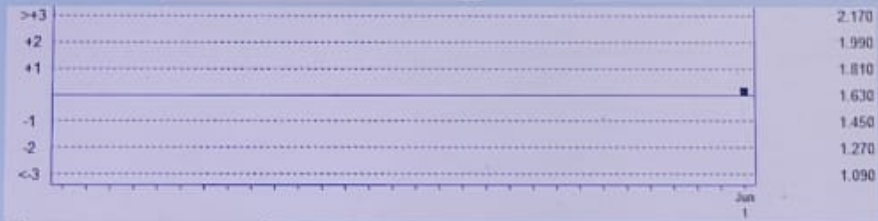
Sample Type Serum

Date 06/01/2022

Display Type Daily

QC Sample Name Randox L3 (1102UE)

S Lot 1102UE

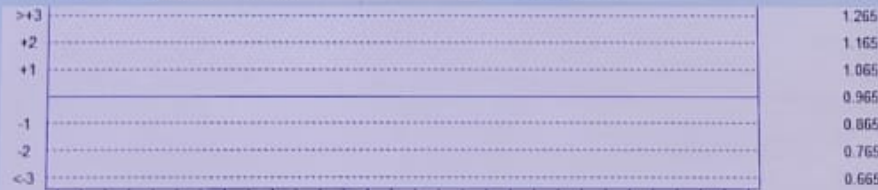


N : 1  
X : 1.660  
SD :  
CV :

■ Normal  
▲ WARNING  
■ ERROR

QC Sample Name Randox L2 (1392UN)

S Lot 1392UN



N : 0  
X :  
SD :  
CV :

■ Normal  
▲ WARNING  
■ ERROR

Search to be affected

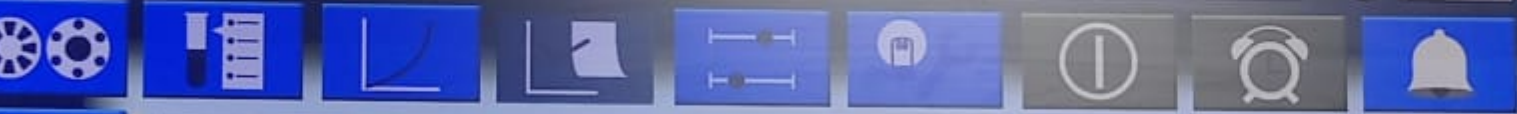




Sampling completed

06/01/2022

09:54



QC Graph

Method No. 14

Method Name HDL

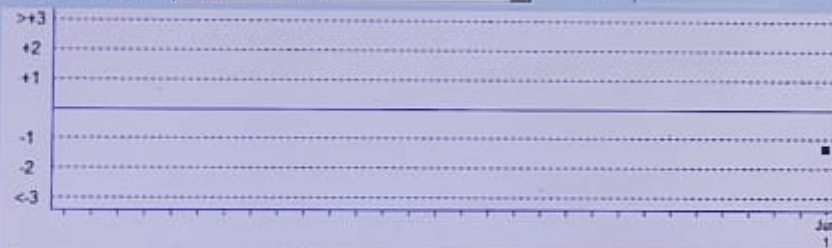
Sample Type Serum

Date 06/01/2022

Display Type Daily

QC Sample Name Randox L3 (1102UE)

S Lot 1102UE

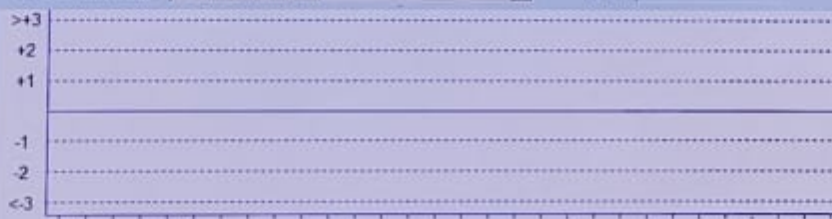


N : 1  
X : 81.00  
SD :  
CV :

■ : Normal  
▲ : WARNING  
■ : ERROR

QC Sample Name Randox L2 (1392UN)

S Lot 1392UN



N : 0  
X :  
SD :  
CV :

■ : Normal  
▲ : WARNING  
■ : ERROR

to be effected.

DELL



Sampling completed

06/01/2022

09:55



QC Graph

Method No. 13

Method Name TBIL

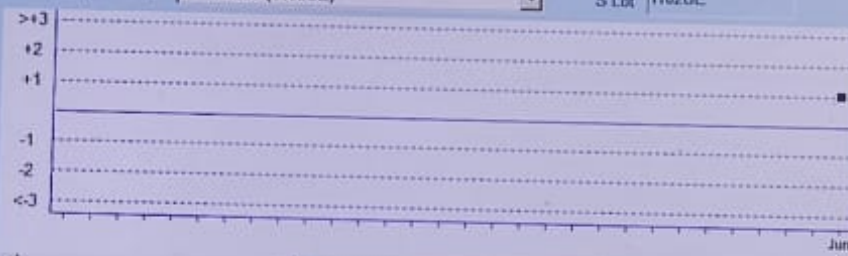
Sample Type Serum

Date 06/01/2022

Display Type Daily

QC Sample Name Randox L3 (1102UE)

S Lot 1102UE

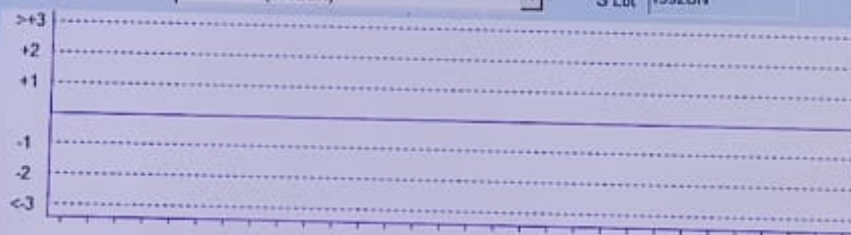


N : 1  
X : 5.83  
SD :  
CV :

■ Normal  
▲ WARNING  
■ ERROR

QC Sample Name Randox L2 (1392UN)

S Lot 1392UN



N : 0  
X :  
SD :  
CV :

■ Normal  
▲ WARNING  
■ ERROR

effected.

DELL



Analyte	unit	Target	low	high	1SD	2SD	methods
Salicylate	mmol/l	0.87	0.70	1.04	0.08	0.17	Gravimetric
	mg/dl	12.0	9.59	14.4	1.21	2.41	
Sodium	mmol/l	155	147	163	4.00	8.00	Ortho Vitros Microslide Systems
	mmol/l	159	151	167	4.00	8.00	Enzymatic
	mmol/l	157	150	164	3.50	7.00	ISE method - direct
	mmol/l	159	151	167	4.00	8.00	ISE method - indirect
Theophylline	μmol/l	139	111	166	13.85	27.70	Gravimetric
	μg/ml	25.0	20.0	30.0	2.50	5.00	
Thyroid Stimulating Hormone	μU/ml =	0.96	0.76	1.15	0.10	0.19	Abbott Architect
Potassium	mmol/l	6.30	5.80	6.80	0.25	0.50	Ortho Vitros Microslide Systems
	mmol/l	6.53	6.01	7.05	0.26	0.52	Enzymatic
	mmol/l	6.30	5.79	6.81	0.26	0.51	ISE method - direct
	mmol/l	6.37	5.86	6.88	0.26	0.51	ISE method - indirect
	mmol/l	6.30	5.80	6.80	0.25	0.50	Ortho Vitros Microslide Systems

ANALYZE QC  
 Na = 157.1 mmol/L  
 K = 6.27 mmol/L  
 iCa = 1.04 mmol/L LOW  
 May-30-22 08:53:25  
 LAST 1-25 QC RESULTS  
 Na = 157.06 mmol/L  
 K = 6.274 mmol/L  
 iCa = 1.039 mmol/L  
 Cl = 0.000 mmol/L  
 Li = 0.000 mmol/L  
 pH = 0.000

Sample Results

Calibration Results

QC Results

Delete & Backup

QC Table

QC Chart

Test

PHOS

Date

29/05/2022

31/05/2022

C1

RANDOX3--1

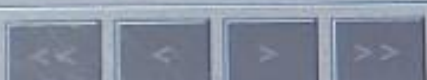
C2

None

C1 Mean/SD

6.76/0.99

C2 Mean/SD



C1  
Result 6.45  
Rule  
Date 30/05/2022  
Time 09:27:55

C2  
Result  
Rule  
Date  
Time

Status In control

Print

Return

Sample Results

Calibration Results

QC Results

Delete & Backup

QC Table

QC Chart

Test

CPKT

Date

29/05/2022

--

31/05/2022

C1

RANOX3--1

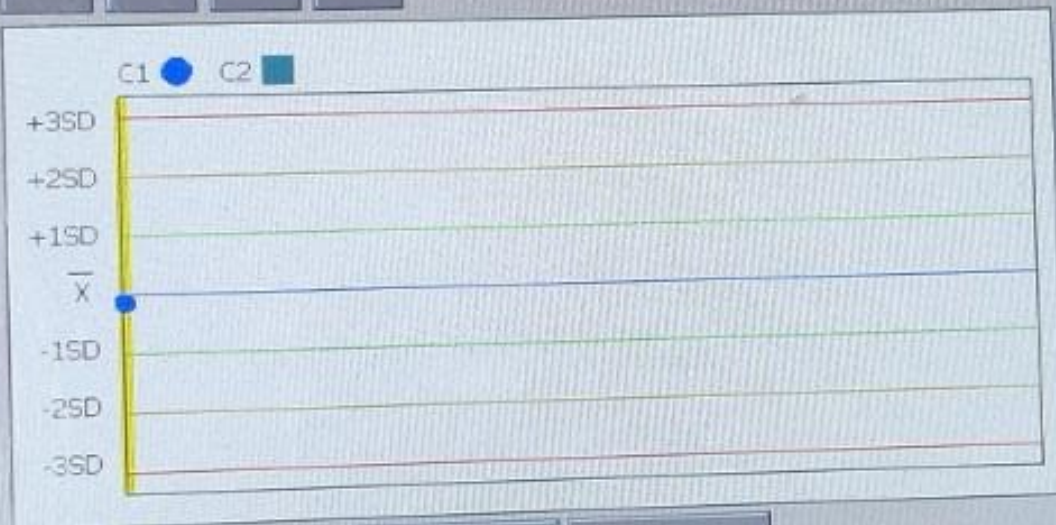
C2

None

C1 Mean/SD

513.00/92.00

C2 Mean/SD



C1  
Result 502.32  
Rule  
Date 30/05/2022  
Time 09:45:42  
  
C2  
Result  
Rule  
Date  
Time  
  
Status In control

Print

Return