

## Calibration Certificate

This is to certify that the Cobas Integra 400 Plus is a fully automated analyzer with S.No:422088 at Tenet Medcorp Pvt Ltd, Visakhapatnam has been calibrated on 16<sup>th</sup> May 2022.

The calibration includes:

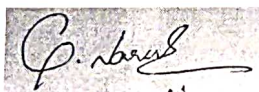
Adjustments:

1. Checked and adjusted cuvette Rotor.
2. Sample/Reagent probe, pipetors movements.
3. Mixer and their respective home positions.
4. Reagent and incubator temperature.
5. Cuvette transportation system.
6. Fluidics system.

All the above checks and calibration were done and system is being used under recommended conditions.

Next calibration is due on 15<sup>th</sup> May 2023.

For Roche Diagnostics India Pvt Ltd.,



Naresh Gutta  
Assistant Consultant – Technical  
Chennai



# Engineering Installation Report

Name of Institution: Tenet Medcorp Pvt Ltd  
 Complete Address: Door No: 9-14-13/2, Plot No: 75, 2<sup>nd</sup> Floor, Varun VIP, VIP Road,  
 City: Visakhapatnam Pin Code: 530003  
 Telephone No.: 0891-4819169 Person In-Charge: Mr. Phani Krishna K  
 Email ID: vizag\_rpc@tenetmedcorp.com SW Version: 3.6.2.1904  
 Instrument Model: Cobas Integra 400+ Serial No.: 422088  
 Department (kindly  $\checkmark$ ):  Pathology  Blood Bank  Other (mention) Biochemistry  
 Installation Commencement Date: \_\_\_\_\_ Date of Installation: 16/MAY/2022  
 Travel Hours \_\_\_\_\_ Work Hours \_\_\_\_\_ REXIS ORD No \_\_\_\_\_

◆ **Transportation Damage & Discrepancy Report: (please update after inspection)**

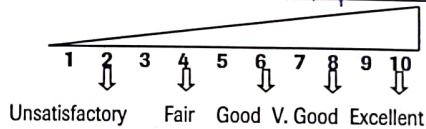
A. List of Missing items: - NA -  
 B. Notes on any damages: - NA -  
 C. General Remark: Received All items without any damage.

◆ **Installation checks & Summary: (please indicate status)**

A. Power Supply:	<u>231 V</u>
B. Software Installation & Boot-up:	<u>Done</u>
C. Mechanical Adjustments & Setup:	<u>Done</u>
D. Fluidic Adjustment & Setup:	<u>Done</u>
E. System Checks & Status Print Outs:	<u>Done &amp; taken printouts</u>

### Installation Feedback:

(Please rate your Satisfaction Level as per the Scale)



- Pre-Installation Information
- Service Personnel's response in general
- Product installation & its timely
- Completion
- Overall Installation Satisfaction

Comments

Signature of Engineer NARESH GUTTA Signature & Seal of Customer [Signature] Date 16/5/2022

Name of Engineer NARESH GUTTA Engineer's Comment Installation Completed Successfully

"In case of Complaints/Inquiries please reach our Customer Support Centre at 1800-123-7599/044-30413900"

# INTEGRA 400 plus

System Version: 3.6.2.1904

Cui Version: 3.6.2

Cui Build: 1904

System Serial Number: 422088

May 16, 2022 / 12:49

M12.2 Check Analyzer Rotor Init Position

Description

PURPOSE

Allows verifying the Analyzer Rotor adjustment and checking the Analyzer Rotor Init Position  
Duration 1 min, 20 sec.

Check No	No of steps
1 Check	4
2 Check	4
3 Check	4
4 Check	4
5 Check	4
6 Check	4
7 Check	4
8 Check	4
9 Check	4
10 Check	4

Tolerance:  
No of steps  
allowed range 3 to 5  
optimum is 4

Rotor Init Position Check  okay   Check Rotor Init Position

# INTEGRA 400 plus

System Version: 3.6.2.1904

Cui Version: 3.6.2

Cui Build: 1904

System Serial Number: 422088

May 16, 2022 / 12:56

M13.1 Check Workstation Accuracy

Description

PURPOSE

Allows verifying the adjustment of all four workstations in an ongoing test. The check results are displayed as okay or failed.

Number of Cycles (min. 20)  Start

Accuracy Check WS In/Out	okay
Accuracy Check Workstation B	okay
Accuracy Check Workstation C	okay
Accuracy Check Workstation FP	okay
Accuracy Check all Workstations	okay

View Data...

Logfile... Print Cancel

# INTEGRA 400 plus

System Version: 3.6.2.1904

Cui Version: 3.6.2

Cui Build: 1904

System Serial Number: 422088

May 16, 2022 / 12:57

M13.1 Check Workstation Accuracy - Data

Description

PURPOSE

Displays the measurements of all 12 wavelengths after checking workstation accuracy  
The measurements are in the <ABSWSAccuracy log> file.

Wavelength	StdDev WS InOut <0.0003 Abs	StdDev WSB <0.0003 Abs	StdDev WSC <0.0003 Abs	StdDev WSFP <0.0003 Abs
1. 340 nm	0.0002	0.0000	0.0000	0.0000
2. 378 nm	0.0002	0.0000	0.0000	0.0000
3. 409 nm	0.0002	0.0000	0.0000	0.0000
4. 480 nm	0.0002	0.0000	0.0000	0.0000
5. 512 nm	0.0002	0.0000	0.0000	0.0000
6. 520 nm	0.0002	0.0000	0.0000	0.0000
7. 800 nm	0.0002	0.0000	0.0000	0.0000
8. 552 nm	0.0002	0.0000	0.0000	0.0000
9. 583 nm	0.0002	0.0000	0.0000	0.0000
10. 629 nm	0.0002	0.0000	0.0000	0.0000
11. 652 nm	0.0002	0.0000	0.0000	0.0000
12. 659 nm	0.0002	0.0000	0.0000	0.0000

Logfile... Print Cancel

# INTEGRA 400 plus

System Version: 3.6.2.1904

Cui Version: 3.6.2

Cui Build: 1904

System Serial Number: 422088

May 16, 2022 / 13.07

M24.1 Get Abs Air/Water Calibration Values

Description

PURPOSE

The Abs Photometer Calibration determines the Air/Water Correction values. These values are needed for result calculations. Displays the number of cuvettes outside the range for every measurement procedure.

Abs Air Water Calibration

Number of Cuvettes 20

Number of Measurements 20

Calibrate

Nr. of Cuvettes outside Range

Air Measurements	0
H2O Measurements	0
H2O - Air Measurements	1
Total	1

Accepted Nr. of Cuvettes outside Range (not more than 20%) 4

Store Calibration Data

Abs Air/Water Calibration: rkey

View Calibration Data...

Logfile... Print Cancel

# NTEGRA 400 plus

System Version: 3.6.2.1904  
System Serial Number: 422088

Cui Version: 3.6.2

Cui Build: 1904

May 16, 2022 / 13:08

M24.1 Get Abs Air/Water Calibration Values - Data

Description

PURPOSE

The Abs Photometer Calibration determines the Air/Water Correction values. These values are needed for result calculations. Displays the number of cuvettes outside the range for every measurement procedure.

Wavelength	A_CUV (H2O)	A (H2O)
1. 340 nm	0.0768	-0.0007
2. 378 nm	0.0777	0.0038
3. 409 nm	0.0830	0.0095
4. 480 nm	0.0868	0.0147
5. 512 nm	0.0887	0.0168
6. 520 nm	0.0893	0.0173
7. 800 nm	0.0110	-0.0394
8. 552 nm	0.0911	0.0191
9. 583 nm	0.0931	0.0208
10. 629 nm	0.0950	0.0229
11. 652 nm	0.0958	0.0237
12. 659 nm	0.0961	0.0239

Data Source: New Values

Creation Date: 18-JAN-2022 15:50:38

Into Database  
 Into a File

Store Values

Logfile... Print Cancel

# NTEGRA 400 plus

System Version: 3.6.2.1904

Cul Version: 3.6.2 Cul Build: 1904

System Serial Number: 422088

May 16, 2022 / 14:15

## Results Sample - Statistics

### Statistics for all calculated Tests on Patient:

Patient ID            Pippeting chec  
Name                    Pippeting check

# Tests	21		
CHKCSR	Mean	SD	CV%
[Abs]	0.38949	0.002	0.45
Range	Low	High	
Extremes	0.38757	0.39462	
68% Confidence	0.38772	0.39125	
95% Confidence	0.38595	0.39302	

Test     ▼



# INTEGRA 400 plus

System Version: 3.6.2.1904

Cui Version: 3.6.2 Cui Build: 1904

System Serial Number: 422088

May 16, 2022 / 14:16

### Results Sample -Statistics

Statistics for all calculated Tests on Patient:

Patient ID                  Pippetting chec  
Name                          Pippetting check

# Tests	21		
CHKCS	Mean	SD	CV%
[Abs]	1.35834	0.005	0.34
Range	Low	High	
Extremes	1.35099	1.36905	
68% Confidence	1.35372	1.36297	
95% Confidence	1.34910	1.36759	

Test

# NTEGRA 400 plus

System Version: 3.6.2.1904

Cui Version: 3.6.2 Cui Build: 1904

System Serial Number: 422088

May 16, 2022 / 14:16

### Results Sample -Statistics

Statistics for all calculated Tests on Patient:

Patient ID            Pippetting chec  
Name                 Pippetting check

# Tests	21		
CHKCR	Mean	SD	CV%
[Abs]	0.39184	0.001	0.30
Range	Low	High	
Extremes	0.39003	0.39429	
68% Confidence	0.39067	0.39301	
95% Confidence	0.38950	0.39418	

Test

### Results Sample - Statistics

Statistics for all calculated Tests on Patient:

Patient ID                  Pippetting chec  
Name                          Pippetting check

# Tests	21		
CHKBSR	Mean	SD	CV%
[Abs]	0.38848	0.002	0.48
Range	Low	High	
Extremes	0.38554	0.39275	
68% Confidence	0.38661	0.39035	
95% Confidence	0.38475	0.39221	

Test:

# NTEGRA 400 plus

System Version: 3.6.2.1904

Cui Version: 3.6.2 Cui Build: 1904

System Serial Number: 422088

May 16, 2022 / 14:18

**Results Sample -Statistics** [X]

**Statistics for all calculated Tests on Patient:**

Patient ID                  Pippetting chec  
Name                          Pippetting check

# Tests	21		
CHKBS	Mean	SD	CV%
[Abs]	1.34840	0.009	0.63
Range	Low	High	
Extremes	1.32983	1.37003	
68% Confidence	1.33987	1.35693	
95% Confidence	1.33134	1.36546	

Test:  [v]

# INTEGRA 400 plus

System Version: 3.6.2.1904  
System Serial Number: 422088

Cui Version: 3.6.2 Cui Build: 1904

May 16, 2022 / 14:20

### Results Sample - Statistics

Statistics for all calculated Tests on Patient:

Patient ID            Pippetting chec  
Name                 Pippetting check

# Tests	21		
CHKBR	Mean	SD	CV%
[Abs]	0.39278	0.001	0.33
Range	Low	High	
Extremes	0.38960	0.39429	
68% Confidence	0.39149	0.39406	
95% Confidence	0.39021	0.39535	

Test:

Results - Sample

May 16, 2022 14:23

Patient ID: Pippetting chec Order ID: 1  
 Name: Pippetting check Created: May 16, 2022 13:35  
 Date of Birth: Sex: Undefined

Test	Result Unit	Flag	Ref. Range	Date / Time
Unassigned				5/16/2022 13:39
* CHKBR	0.39363	Abs		5/16/2022 13:39
* CHKBR	0.39131	Abs		5/16/2022 13:39
* CHKBR	0.39316	Abs		5/16/2022 13:39
* CHKBR	0.39284	Abs		5/16/2022 13:40
* CHKBR	0.39271	Abs		5/16/2022 13:40
* CHKBR	0.39395	Abs		5/16/2022 13:40
* CHKBR	0.39424	Abs		5/16/2022 13:40
* CHKBR	0.39229	Abs		5/16/2022 13:40
* CHKBR	0.39311	Abs		5/16/2022 13:40
* CHKBR	0.39282	Abs		5/16/2022 13:41
* CHKBR	0.39353	Abs		5/16/2022 13:41
* CHKBR	0.39366	Abs		5/16/2022 13:41
* CHKBR	0.39369	Abs		5/16/2022 13:41
* CHKBR	0.39164	Abs		5/16/2022 13:41
* CHKBR	0.39161	Abs		5/16/2022 13:41
* CHKBR	0.39209	Abs		5/16/2022 13:42
* CHKBR	0.39429	Abs		5/16/2022 13:42
* CHKBR	0.39400	Abs		5/16/2022 13:42
* CHKBR	0.38960	Abs		5/16/2022 13:48
* CHKBR	0.39384	Abs		5/16/2022 13:48
* CHKBR	0.39036	Abs		5/16/2022 13:48
* CHKBS	1.32983	Abs		5/16/2022 13:39
* CHKBS	1.34743	Abs		5/16/2022 13:39
* CHKBS	1.34487	Abs		5/16/2022 13:39
* CHKBS	1.34665	Abs		5/16/2022 13:40
* CHKBS	1.34972	Abs		5/16/2022 13:40
* CHKBS	1.34838	Abs		5/16/2022 13:40
* CHKBS	1.34654	Abs		5/16/2022 13:40
* CHKBS	1.34598	Abs		5/16/2022 13:40
* CHKBS	1.34208	Abs		5/16/2022 13:40
* CHKBS	1.34356	Abs		5/16/2022 13:41
* CHKBS	1.34481	Abs		5/16/2022 13:41
* CHKBS	1.33996	Abs		5/16/2022 13:41
* CHKBS	1.34725	Abs		5/16/2022 13:41

Patient ID: Pippetting chec Order ID: 1  
 Name: Pippetting check Created: May 16, 2022 13:35  
 Date of Birth: Sex: Undefined

Test	Result Unit	Flag	Ref. Range	Date / Time
Unassigned				
* CHKBS	1.34425 Abs			5/16/2022 13:41
* CHKBS	1.34313 Abs			5/16/2022 13:42
* CHKBS	1.34963 Abs			5/16/2022 13:42
* CHKBS	1.35849 Abs			5/16/2022 13:42
* CHKBS	1.37003 Abs			5/16/2022 13:48
* CHKBS	1.36191 Abs			5/16/2022 13:48
* CHKBS	1.35267 Abs			5/16/2022 13:48
* CHKBS	1.35924 Abs			5/16/2022 13:48
* CHKBSR	0.39275 Abs			5/16/2022 13:39
* CHKBSR	0.38995 Abs			5/16/2022 13:39
* CHKBSR	0.38968 Abs			5/16/2022 13:39
* CHKBSR	0.38708 Abs			5/16/2022 13:40
* CHKBSR	0.38621 Abs			5/16/2022 13:40
* CHKBSR	0.38934 Abs			5/16/2022 13:40
* CHKBSR	0.38755 Abs			5/16/2022 13:40
* CHKBSR	0.38554 Abs			5/16/2022 13:40
* CHKBSR	0.39155 Abs			5/16/2022 13:40
* CHKBSR	0.38849 Abs			5/16/2022 13:41
* CHKBSR	0.38782 Abs			5/16/2022 13:41
* CHKBSR	0.38776 Abs			5/16/2022 13:41
* CHKBSR	0.38618 Abs			5/16/2022 13:41
* CHKBSR	0.38594 Abs			5/16/2022 13:41
* CHKBSR	0.38788 Abs			5/16/2022 13:42
* CHKBSR	0.38763 Abs			5/16/2022 13:42
* CHKBSR	0.39078 Abs			5/16/2022 13:42
* CHKBSR	0.38930 Abs			5/16/2022 13:48
* CHKBSR	0.38904 Abs			5/16/2022 13:48
* CHKBSR	0.38817 Abs			5/16/2022 13:48
* CHKBSR	0.38944 Abs			5/16/2022 13:48
* CHKCR	0.39003 Abs			5/16/2022 13:49
* CHKCR	0.39181 Abs			5/16/2022 13:50
* CHKCR	0.39137 Abs			5/16/2022 13:50
* CHKCR	0.39120 Abs			5/16/2022 13:50
* CHKCR	0.39098 Abs			5/16/2022 13:50

Results - Sample

May 16, 2022 14:23

Patient ID: Pippetting chec  
 Name: Pippetting check  
 Date of Birth: Sex: Undefined  
 Order ID: 1  
 Created: May 16, 2022 13:35

Test	Result Unit	Flag	Ref. Range	Date / Time
Unassigned				
* CHKCR	0.39168 Abs			5/16/2022 13:50
* CHKCR	0.39237 Abs			5/16/2022 13:51
* CHKCR	0.39024 Abs			5/16/2022 13:51
* CHKCR	0.39016 Abs			5/16/2022 13:51
* CHKCR	0.39047 Abs			5/16/2022 13:51
* CHKCR	0.39095 Abs			5/16/2022 13:51
* CHKCR	0.39178 Abs			5/16/2022 13:51
* CHKCR	0.39187 Abs			5/16/2022 13:52
* CHKCR	0.39407 Abs			5/16/2022 13:52
* CHKCR	0.39230 Abs			5/16/2022 13:52
* CHKCR	0.39232 Abs			5/16/2022 13:52
* CHKCR	0.39273 Abs			5/16/2022 13:52
* CHKCR	0.39276 Abs			5/16/2022 13:58
* CHKCR	0.39241 Abs			5/16/2022 13:58
* CHKCR	0.39429 Abs			5/16/2022 13:59
* CHKCR	0.39281 Abs			5/16/2022 13:59
* CHKCS	1.36905 Abs			5/16/2022 13:49
* CHKCS	1.36021 Abs			5/16/2022 13:50
* CHKCS	1.35799 Abs			5/16/2022 13:50
* CHKCS	1.35720 Abs			5/16/2022 13:50
* CHKCS	1.35811 Abs			5/16/2022 13:50
* CHKCS	1.35522 Abs			5/16/2022 13:50
* CHKCS	1.35246 Abs			5/16/2022 13:51
* CHKCS	1.36185 Abs			5/16/2022 13:51
* CHKCS	1.35552 Abs			5/16/2022 13:51
* CHKCS	1.35523 Abs			5/16/2022 13:51
* CHKCS	1.36248 Abs			5/16/2022 13:51
* CHKCS	1.35809 Abs			5/16/2022 13:51
* CHKCS	1.36592 Abs			5/16/2022 13:52
* CHKCS	1.35591 Abs			5/16/2022 13:52
* CHKCS	1.36559 Abs			5/16/2022 13:52
* CHKCS	1.36085 Abs			5/16/2022 13:52
* CHKCS	1.35099 Abs			5/16/2022 13:52
* CHKCS	1.35842 Abs			5/16/2022 13:58



Results - Sample

May 16, 2022 14:23

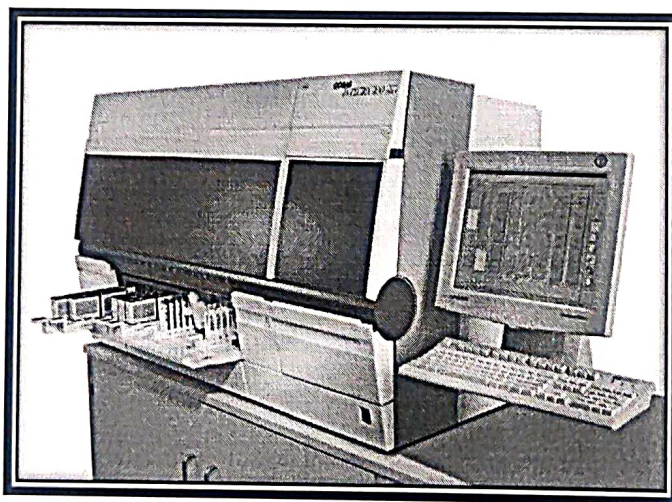
Patient ID: Pippetting chec Order ID: 1  
 Name: Pippetting check Created: May 16, 2022 13:35  
 Date of Birth: Sex: Undefined

Test	Result Unit	Flag	Ref. Range	Date / Time
Unassigned				
* CHKCS	1.35537 Abs			5/16/2022 13:58
* CHKCS	1.35450 Abs			5/16/2022 13:59
* CHKCS	1.35427 Abs			5/16/2022 13:59
* CHKCSR	0.38838 Abs			5/16/2022 13:50
* CHKCSR	0.38757 Abs			5/16/2022 13:50
* CHKCSR	0.38805 Abs			5/16/2022 13:50
* CHKCSR	0.38913 Abs			5/16/2022 13:50
* CHKCSR	0.38759 Abs			5/16/2022 13:50
* CHKCSR	0.38817 Abs			5/16/2022 13:50
* CHKCSR	0.38828 Abs			5/16/2022 13:51
* CHKCSR	0.38855 Abs			5/16/2022 13:51
* CHKCSR	0.39052 Abs			5/16/2022 13:51
* CHKCSR	0.38804 Abs			5/16/2022 13:51
* CHKCSR	0.39059 Abs			5/16/2022 13:51
* CHKCSR	0.38948 Abs			5/16/2022 13:51
* CHKCSR	0.38999 Abs			5/16/2022 13:52
* CHKCSR	0.39004 Abs			5/16/2022 13:52
* CHKCSR	0.38843 Abs			5/16/2022 13:52
* CHKCSR	0.38766 Abs			5/16/2022 13:52
* CHKCSR	0.39462 Abs			5/16/2022 13:52
* CHKCSR	0.39229 Abs			5/16/2022 13:58
* CHKCSR	0.39098 Abs			5/16/2022 13:58
* CHKCSR	0.39020 Abs			5/16/2022 13:59
* CHKCSR	0.39064 Abs			5/16/2022 13:59

**cobas**<sup>®</sup>  
*Life needs answers*

## cobas Integra 400 plus Analyzer

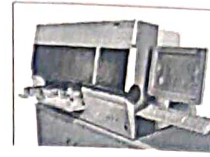
Qualification Service  
Installation Qualification / Operation Qualification (v.1.0)



Roche



## cobas Integra 400 plus



### General Information

Country: India

Customer Name: TENET DIAGNOSTICS (Tenet Medcorp Pvt.Ltd)

Customer Address: Door No: 9-14-13/2, Plot No:75, 2nd floor, Varun VIP, VIP Road, Visakhapatnam - 530003

Person Responsible for Quality Assurance: Mr. Phani Krishna

### System Information

cobas Integra 400+: S/N 422088

Host provider: NA

Software Version: 3.6.2.1902

### Installation Information

Installation Start Date: 16.05.2022

First Installation: yes

Reconfiguration: From: To:

Relocation: From: To:

Roche Responsible Representative : Mr. Naresh Gutta, Technical Service Specialist



## Installation Qualification:

This document forms the basis of the Qualification Services Certificate. It certifies that the instrument is installed according to the manufacturer's specifications. The report presents and documents the test procedures, the documentation, reference and acceptance criteria used to verify that the system is installed according specifications. The report demonstrated that all installation qualification criteria have been met satisfactorily.

**Notice:** The following tests are to be carried out by trained Roche personnel only.

**Purpose:** The purpose of this test is to confirm that the instrument was delivered undamaged and installed correctly.

Test #	Test	Pass Fail	Signature Date
IQ.1.1	Operator's Manual available	Pass	
IQ 1.2	Environmental parameters met	Pass	
IQ 1.3	Instrument delivered undamaged and complete	Pass	
IQ 1.4	Transport locking successfully removed	Pass	
IQ 1.5	All connections correctly installed	Pass	
IQ 1.6	Instrument positioned according to Installation Manual	Pass	
IQ 1.7	Instrument boot process successfully	Pass	
IQ 1.8	Checksum according to specification	Pass	
IQ 1.9	Mechanical adjustments complete	Pass	
IQ 1.10	Auxiliary components positioned	Pass	
IQ 1.11	Instrument installation check	Pass	
IQ 1.12	Host communication settings checked	yes	

Test #	Test	Pass Fail	Signature Date
IQ.2	Installation Qualification for cobas Integra 400+	yes	



**Deviation Report:** Any discrepancies found during the installation must be documented in the space below. Roche personnel will then investigate the deviation and decide upon the most appropriate action to be taken.

Deviation #1

NA

Investigation

Action taken

Deviation resolved satisfactorily? specify

Deviation #2

NA

Investigation

Action taken

Deviation resolved satisfactorily? specify

Deviation #3

NA

Investigation

Action taken

Deviation resolved satisfactorily? specify



## Operational Qualification:

This document is the basis of the Qualification Service Certificate. It certifies that the instrument is operating according to the manufacture's specifications. This report presents and documents the test procedures, documentation, references and acceptance criteria used to verify that the specified system is operating according to the specifications. The report demonstrates that all operational qualification criteria have been met satisfactorily.

**Notice:** The following tests are to be carried out by trained Roche personnel only.

**Purpose:** The purpose of this test is to check that the modules are operating in accordance with the

Test #	Test	Pass Fail	Signature Date
OQ.1	Calibration successfully	Pass	} <i>Roy</i> 25/10/2022
OQ.2	Quality Control successfully	Pass	
OQ.3	Accuracy check successfully	Pass	

**Deviation Report:** Any discrepancies found during the installation must be documented in the space below. Roche personnel will then investigate the deviation and decide upon the most appropriate action to be taken.

**Deviation #1**

NA

**Investigation**

**Action taken**

**Deviation resolved satisfactorily?** specify

**Deviation #2**

NA

**Investigation**

**Action taken**

**Deviation resolved satisfactorily?** specify



## Conclusion

All test results are acceptable.  yes

Any deviation or non-conformances observed have been recorded as a deviation and the relevant forms completed.  yes

All acceptance criteria have been met. This equipment is deemed acceptable and the unit is approved for its intended use.  yes

### Comments

All calibrations passed. Qc values were within acceptable range.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Completed by Roche Representative

Date 20/05/2022

Print Name Mr. Bhavani Prasad, Application Specialist

Signature

Reviewed by Customer Contact

Date 20/05/2022

Print Name Mr. Phani Krishna

Signature

Reviewed by Customer Quality Assurance

Date 20/05/2022

Print Name Mr. Phani Krishna

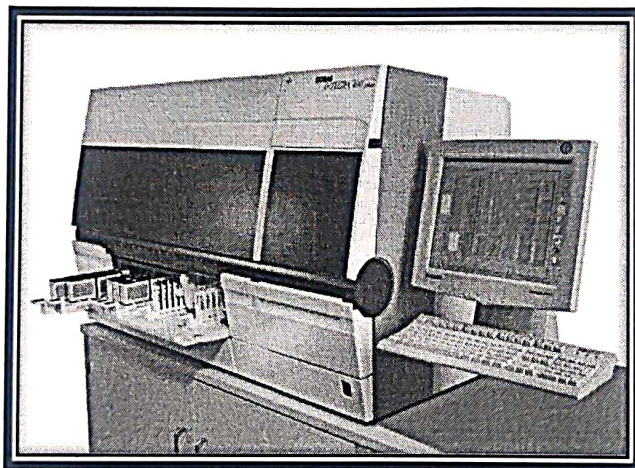
Signature



**cobas**<sup>®</sup>  
*Life needs answers*

**cobas Integra 400 plus Analyzer**

**Installation Qualification**







## Installation Qualification for cobas® Integra 400 plus

### Description

<b>IQ.1.1</b>	<b>Operator's Manual available</b>	
	Check that a copy of the latest version of the Operator's Manual is available.	Pass
<b>IQ.1.2</b>	<b>Environmental parameters</b>	
	Ambient temperature in the lab is between 15° and 32 °C	Pass
	Relative Humidity maximum of 50% at 32 °C and non-condensing	Pass
	Bacteria free, deionized water < 10 cfu/ml	Pass
	Water conductivity 1.0 µS/cm or less	Pass
	Dust and Vibration free	Pass
	Instrument is not exposed to direct sunlight	Pass
<b>IQ.1.3</b>	<b>Instrument delivered undamaged and</b>	
	All covers are undamaged	Pass
	All accessory boxes are delivered	Pass
	Instrument does not show any external damage	Pass
<b>IQ.1.4</b>	<b>Transport locking successfully removed</b>	
	Unpacking of the different modules and accessories without damage to units	Pass
<b>IQ.1.5</b>	<b>All connections correctly installed</b>	
	Power supply voltage at the customer facility:	230V ±2V
	UPS system available:	yes
	Voltage fluctuation less than 230 ±5V	Pass
	Grounding less than 1.0 V	Pass



**IQ 1.6 Instrument positioned according to Installation Manual**

System layout is according to the description in the

**IQ 1.7 Instrument boot process successful**

IP address configuration successful

System Configuration successful

First system boot-up

**IQ 1.8 Checksum according to specification**

Version of installed cobas Integra 400+ software

Installation of country language successful

**IQ 1.9 Mechanical adjustments complete**

All mechanical adjustments are carried out

**IQ 1.10 Auxiliary components positioned**

**IQ 1.11 Instrument installation check**

Print function

Rack/Sample barcode read check



**IQ 1.12 Host communication settings checked**

Check Host settings according to Host manual

Check Host communication

**Deviation Report:** Any discrepancies found during the installation must be documented in the space below. Roche personnel will then investigate the deviation and decide upon the most appropriate action to be taken.

**Deviation #1**

NA

Investigation

Action taken

Deviation resolved satisfactorily?

**Deviation #2**

NA

Investigation

Action taken

Deviation resolved satisfactorily?

**Deviation #3**

NA

Investigation

Action taken

Deviation resolved satisfactorily?



## Installation Qualification for cobas® Integra 400 plus:

### Description

<b>IQ.2.1</b>	<b>Function check of Integra400+ module according to specifications</b>	
	System layout is according to the description in the manual	Pass
	Integra 400+ is installed according to the installation manual and using official tools	Pass
<b>IQ.2.2</b>	<b>Mechanical adjustments complete</b>	
	All mechanical adjustments for the different Integra 400+ mechanical parts are carried out	Pass
<b>IQ.2.3</b>	<b>Auxiliary components positioned</b>	
	Wash solutions are installed at the Integra 400+	Pass
	ISE electrodes are installed	not applicable
	ISE solutions are installed	not applicable
	Probe B & Probe C (Reagent & Sample) pipettors installed	Pass
<b>IQ.2.4</b>	<b>Instrument installation check</b>	
	Air water Calibration	Pass
	Prime Fluid System	Pass
	Analyzer Rotor (Reaction) temperature 37°C ± 0.5°C	Pass



Carry out Instrument Check according to Method Sheet of the cobas c pack INSTC (Art. No. 04851013 190) (attached printout)

Pass

ISE Check 20 times (attached printout)

not applicable

**IQ 2.5 Assay installation**

Download of applications from TAS (attached list of applications)

Pass

Load corresponding reagent c-packs

Pass

**Deviation Report:** Any discrepancies found during the installation must be documented in the space below. Roche personnel will then investigate the deviation and decide upon the most appropriate action to be taken.

**Deviation #1**

NA

**Investigation**

**Action taken**

**Deviation resolved satisfactorily?** specify

**Deviation #2**

NA

**Investigation**

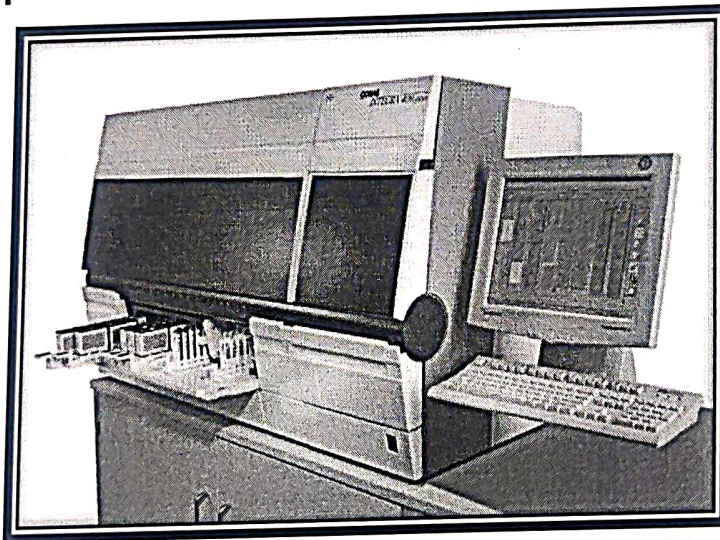
**Action taken**

**Deviation resolved satisfactorily?** specify

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**cobas Integra 400 plus Analyzer**

**Operational Qualification**



**Roche**



## Operational Qualification:

**Notice:** The steps described in OQ.1 have to be carried out after a new system installation and after any repair action which requires additional calibration.

If the service action does not affect the measurement performance, only apply steps OQ.2 and OQ.3 of the Operation Qualification.

### Description

#### OQ.1 Calibration

Calibration of all photometric parameters successful (attached printout)	yes
Calibration of all ISE parameters successful (attached printout)	not applicable

#### OQ.2 Quality Control

Specify the type of control used:

3rd Party control

QC of all photometric parameters within acceptable range (attached printout)	yes
QC of ISE parameters within acceptable range (attached printout)	not applicable

#### OQ.3.1 Accuracy check for ISE

Perform test with analytical reagents

	Number of det.
Na	21
K	21
Cl	21

Sample solution: PNU (code 300 / Cat. No. 10171735, 10171743, 10651257).  
Fill 21 Hitachi cups with PNU (code: 300) and perform Na, K and Cl tests. Calculate the CV.

Accuracy check for ISE was within acceptable range **not applicable**



**OQ.3.2 Accuracy check for Photometric Assays**

Perform test with analytical reagents

	Number of det.
2-point/end-point Assay	21
Rate A Assay	21

Sample solution: Pooled serum  
Fill cobas cups with Precicontrol & perform 21 determinations of each parameter.

Accuracy check for Photometric Assays was within acceptable range

**OQ.3.2 Precision check for Photometric Assays**

Perform test with analytical reagents

	Number of det.
2-point/end-point Assay	21
Rate A Assay	21

Sample solution: Pooled serum  
Fill cobas cups with Precicontrol & perform 21 determinations of each parameter.

Precision check for Photometric Assays was within acceptable range

**Deviation Report:** Any discrepancies found during the installation must be documented in the space below. Roche personnel will then investigate the deviation and decide upon the most appropriate action to be taken.

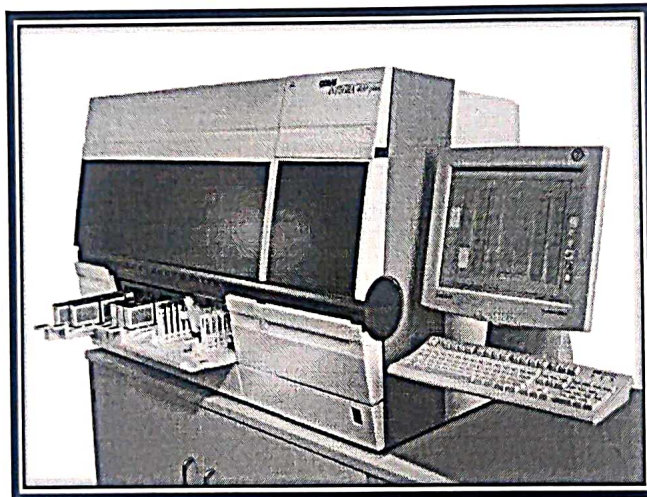
<b>Deviation #1</b>	NA
<b>Investigation</b>	
<b>Action taken</b>	
<b>Deviation resolved satisfactorily?</b>	specify



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**cobas Integra 400 plus Analyzer**

### **Attachments**





Qualification Service  
Installation Qualification / Operation Qualification (v.1.0)

Page 1 of 1

## Attachments

1. Calibration and QC reports
2. Precision report

# TEGRA 400 plus

System Version: 3.6.2.1904      Cui Version: 3.6.2      Cui Build: 1904      1904  
 System Serial Number: 422088      May 20, 2022 / 13.41

**Result - Calibration GLUC3 (Quantitative) - Detail** X

Cassette:	GLUC3	Lot No:	61637801
Calibrator:	C.f.a.s.	Lot No.:	539940

R0	F
0.0021036	33.675848

Comment:

5/19/2022 12:22      rch

Std-1	Assign.	Calc.	Rate
RM:	202 mg/dL	202	0.33498 dA
<input checked="" type="checkbox"/> R1:		204	0.33807 dA
<input checked="" type="checkbox"/> R2:		200	0.33188 dA

Std-1	Assign.	Calc.	Rate	Flag
RM:	202 mg/dL	202	0.33498 dA	
<input checked="" type="checkbox"/> R1:		204	0.33807 dA	
<input checked="" type="checkbox"/> R2:		200	0.33188 dA	
Std-2	Assign.	Calc.	Rate	Flag
RM:	0 mg/dL	0	0.00210 dA	
<input checked="" type="checkbox"/> R1:		0	0.00217 dA	
<input checked="" type="checkbox"/> R2:		-0	0.00204 dA	

*Bluedy*  
20/05/2022

# EGRA 400 plus

System Version: 3.6.2.1904  
 System Serial Number: 422088

Cui Version: 3.6.2 Cui Build: 1904 1904  
 May 20, 2022 / 13.41

**Result - Calibration CREJ2 (Quantitative) - Detail**

Cassette	CREJ2	Lot No:	59116701
Calibrator	C.f.a.s.	Lot No:	539940

R0	F
0.0001595	24221.297

Comment:

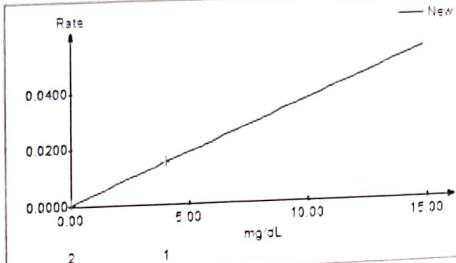
5/19/2022 12:58      rch

Delete

Help

Accept

Forward



Std-1	Assign.	Calc.	Rate
RM:	4.0 mg/dL	4.0	0.01481 dA
<input checked="" type="checkbox"/> R1:		4.0	0.01485 dA
<input checked="" type="checkbox"/> R2:		4.0	0.01477 dA

Std-1	Assign.	Calc.	Rate	Flag
RM:	4.0 mg/dL	4.0	0.01481 dA	
<input checked="" type="checkbox"/> R1:		4.0	0.01485 dA	
<input checked="" type="checkbox"/> R2:		4.0	0.01477 dA	
Std-2	Assign.	Calc.	Rate	Flag
RM:	0.0 mg/dL	0.0	0.00016 dA	
<input checked="" type="checkbox"/> R1:		-0.0	0.00015 dA	
<input checked="" type="checkbox"/> R2:		0.0	0.00017 dA	

*Blum*  
20/05/2022

# INTEGRA 400 plus

System Version: 3.6.2.1904

Cui Version: 3.6.2

Cui Build: 1904

System Serial Number: 422088

May 20, 2022 / 13:42

Result - Control (CREJ2) - Detail

Cassette	CREJ2	Lot No.	59116701
Control	BR L2	Lot No.	26492

Exclude Control Value from Statistics

CREJ2	BR L2	5.1 mg/dL
Precision	4.3 to	5.3 mg/dL

Comment

5/19/2022 13:36      rch

↑	Delete	Print	Rate Info...
↓	Accept	Reject	Close
Help			

*Blum*  
20/05/2022

# INTEGRA 400 plus

System Version: 3.6.2.1904

Cui Version: 3.6.2

Cui Build: 1904

System Serial Number: 422088

May 20, 2022 / 13:42

Result - Control (CREJ2) - Detail

Cassette:	CREJ2	Lot No.:	59116701
Control:	BR L1	Lot No.:	26491

Exclude Control Value from Statistics

CREJ2	BR L1	2.0 mg/dL
Precision	1.7 to	2.2 mg/dL

Comment

5/19/2022 13:36 rch

↑	Delete	Print	Rate Info...
↓	Accept	Renew	Close
Help			

Bhu  
20/05/2022

# INTEGRA 400 plus

System Version: 3 6 2 1904  
System Serial Number: 422088

Cui Version: 3 6 2 Cui Build: 1904

May 20, 2022 / 13:42

Result - Control (GLUC3) - Detail

Cassette	GLUC3	Lot No	61637801
Control	BRL2	Lot No	26492

Exclude Control Value from Statistics

GLUC3	BRL2	285 mg/dL
Precision	264to	292 mg/dL

Comment

5/19/2022 13:37 rch

↑	Delete	Print	Rate Info...
↓	Accept	Renew	Close
Help			

*Blurz*  
2/6/2022

# INTEGRA 400 plus

System Version: 3.6.2.1904  
System Serial Number: 422088

Cui Version: 3.6.2 Cui Build: 1904

May 20, 2022 / 13:42

**Result - Control (GLUC3) - Detail** [X]

Cassette:	GLUC3	Lot No.:	61637801
Control:	BRL1	Lot No.:	26491

---

Exclude Control Value from Statistics

GLUC3	BRL1	81 mg/dL
Precision	76 to	85 mg/dL

Comment

5/19/2022 13:37      rch

	Delete	Print	Rate Info...
	Accept	Run	Close
Help			

*Bhm*  
20/05/2022



**Results Sample -Statistics** [X]

**Statistics for all calculated Tests on Patient:**

Patient ID      Undefined  
Name            Undefined

# Tests	21		
CREJ2	Mean	SD	CV%
[mg/dL]	0.7	0.014	2.10
Range	Low	High	
Extremes	0.6	0.7	
68% Confidence	0.6	0.7	
95% Confidence	0.6	0.7	

Test:  [v]                 

*Bhum*  
2/10/2022

# INTEGRA 400 plus

System Version: 3.6.2.1904  
System Serial Number: 422088

Cui Version: 3.6.2 Cui Build: 1904

May 20, 2022 / 13:41

### Results Sample - Statistics

Statistics for all calculated Tests on Patient:

Patient ID Undefined  
Name Undefined

# Tests	21		
GLUC3	Mean	SD	CV%
[mg/dL]	96	0.415	0.43
Range	Low	High	
Extremes	95	97	
68% Confidence	96	96	
95% Confidence	95	97	

Test:

*Blum*  
20/05/2022

Hospital / Lab Name  
Address 1  
Address 2  
City, State, Zip Code  
Phone No.

Patient ID: Undefined Order ID: PRECISION1  
Name: Undefined Created: May 20, 2022 13:07  
Date of Birth: Sex: Undefined

Test	Result	Unit	Flag	Reference Range
Unassigned				
Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	97	mg/dL		-
Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	96	mg/dL		-
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Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	96	mg/dL		-
Glucose HK Gen.3	95	mg/dL		-
Glucose HK Gen.3	95	mg/dL		-

*[Signature]*  
20/05/2022

# Final Report

May 20, 2022 13:26

Hospital / Lab Name

Address 1

Address 2

City, State, Zip Code

Phone No.

Patient ID: Undefined Order ID: PRECISION 2  
Name: Undefined Created: May 20, 2022 13:08  
Date of Birth: Sex: Undefined

Test	Result	Unit	Flag	Reference Range
Unassigned				
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.6	mg/dL		-
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.6	mg/dL		-
CREA Jaffe Gen2 Comp	0.6	mg/dL		-
CREA Jaffe Gen2 Comp	0.6	mg/dL		-
CREA Jaffe Gen2 Comp	0.6	mg/dL		-
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.6	mg/dL		-
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.6	mg/dL		-
CREA Jaffe Gen2 Comp	0.7	mg/dL		-
CREA Jaffe Gen2 Comp	0.6	mg/dL		-

*Bun*  
20/05/2022



(ISO 9001:2015 Certified)

### Instrument Commissioning Report

Name of Institution: TENET DIAGNOSTICS (TENET MEDCORP PVT LTD)  
 Complete Address: D.NO: 9-14-13/2, Plot NO: 75, 2nd floor, Varun VIP, VIP Road  
 City: Visakhapatnam Pin Code: 530003  
 Person Incharge: Mr. Phani Krishna REXIS ORD: ORD-0019916240  
 Instrument Model: Cobas Integra 400plus Serial No.: 422088  
 SW Version: 3.6.2.1902 Training Completed On: 20/05/2022  
 Call Received Date: 17/05/2022 Call Attended Date: 19/05/2022  
 Travel Hours: 26 hours Work Hours: 16 hours

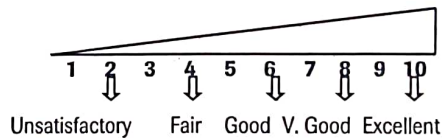
### System Configuration & Preliminary application work:

(Please check in the Box)

- |   |                                     |                                 |                                     |
|---|-------------------------------------|---------------------------------|-------------------------------------|
| A. System configuration & programming   | <input checked="" type="checkbox"/> | E. Assay Calibration            | <input checked="" type="checkbox"/> |
| B. Hardware Overview                    | <input checked="" type="checkbox"/> | F. QC Run                       | <input checked="" type="checkbox"/> |
| C. Software Overview                    | <input checked="" type="checkbox"/> | G. User Maintenance             | <input checked="" type="checkbox"/> |
| D. Sample & QC Processing               | <input checked="" type="checkbox"/> | H. Precision Check & Evaluation | <input checked="" type="checkbox"/> |
| I. Basics of Telephone Trouble Shooting | <input checked="" type="checkbox"/> |                                 |                                     |

### Training Feedback:

(Please rate as per the Scale)



Structure	<input type="text" value="10"/>	Comments
Objective Reached	<input type="text" value="9"/>	
Ratio of Lecture to Practical time	<input type="text" value="10"/>	
Quality of Lecture	<input type="text" value="10"/>	
Completeness of Information	<input type="text" value="10"/>	
Knowledge	<input type="text" value="10"/>	
Openness to Questions	<input type="text" value="10"/>	
Overall Training Satisfaction	<input type="text" value="10"/>	

Signature of Trainer [Signature] Signature & Seal of Customer [Signature] Date 20/5/2022

Name of Trainer Bhavani Prasad.U Trainer's Comment: Initial operator training completed.

"In case of Complaints/Inquiries please reach our Customer Support Centre at 1800-123-7599/044-30413900"

# Training Agenda Checklist Cobas Integra 400 plus Analyser

SW Version: 3.6.2.1902

## Hardware Overview :

(Please check in the Box)

\* if applicable

Data Station	<input checked="" type="checkbox"/>	<b>Cassette Platform</b>		<b>Sample Platform</b>	
Water system	<input checked="" type="checkbox"/>	Temperature	<input checked="" type="checkbox"/>	Location	<input checked="" type="checkbox"/>
UPS	<input checked="" type="checkbox"/>	Location	<input checked="" type="checkbox"/>	Position Letters	<input checked="" type="checkbox"/>
Printer	<input checked="" type="checkbox"/>	LED'S	<input checked="" type="checkbox"/>	Cooled Positions	<input checked="" type="checkbox"/>
Analyser	<input checked="" type="checkbox"/>	Barcode Reader	<input checked="" type="checkbox"/>	ISE Racks	<input checked="" type="checkbox"/>
Doors & Panels	<input checked="" type="checkbox"/>	XYZ Arm Movement	<input checked="" type="checkbox"/>	Activator	<input checked="" type="checkbox"/>
		Reagent Cassette	<input checked="" type="checkbox"/>	Etcher*	<input checked="" type="checkbox"/>
		Barcode Information	<input checked="" type="checkbox"/>	Deproteiniser	<input checked="" type="checkbox"/>
<b><u>Analyser/Photometer</u></b>		Reagent Loading	<input checked="" type="checkbox"/>	ISE Standards*	<input checked="" type="checkbox"/>
Location & Function	<input checked="" type="checkbox"/>	Test Capacity	<input checked="" type="checkbox"/>	Diluents	<input checked="" type="checkbox"/>
Workstation In/Out	<input checked="" type="checkbox"/>	Onboard Capacity	<input checked="" type="checkbox"/>	Sample Racks	<input checked="" type="checkbox"/>
Workstation B	<input checked="" type="checkbox"/>	<b><u>Cuvette Reservoir</u></b>		Cobas Cup	<input checked="" type="checkbox"/>
Workstation C	<input checked="" type="checkbox"/>	Location	<input checked="" type="checkbox"/>	Temperature	<input checked="" type="checkbox"/>
Workstation D	<input checked="" type="checkbox"/>	Red Light Indicator	<input checked="" type="checkbox"/>	Barcode Reader	<input checked="" type="checkbox"/>
Incubator	<input checked="" type="checkbox"/>	Transport	<input checked="" type="checkbox"/>	Probe B	<input checked="" type="checkbox"/>
Absorbance Lamp	<input checked="" type="checkbox"/>	Handling	<input checked="" type="checkbox"/>	Probe C	<input checked="" type="checkbox"/>
FP	<input checked="" type="checkbox"/>				
		<b><u>ISE Module(if applicable)</u></b>			
<b><u>Waste Reservoir</u></b>		Components	<input checked="" type="checkbox"/>		
Cuvettes	<input checked="" type="checkbox"/>	Release from Frame	<input checked="" type="checkbox"/>		
ISE Waste	<input checked="" type="checkbox"/>	Fluidic Path	<input checked="" type="checkbox"/>		
Replacement	<input checked="" type="checkbox"/>	Electrodes	<input checked="" type="checkbox"/>		
Reset	<input checked="" type="checkbox"/>	Sensors	<input checked="" type="checkbox"/>		



## Software Overview & Routine Operation :

(Please check in the Box)

### Operator Information

- Date & time
- Current user
- Logon/off

### System status

- Ready
- Cycle running
- Sleep

### Message Icon

- New Message
- Message Log
- Options

### Status Icon

- Missing & Blocked
- Samples
- Cassettes

- Test Status
- Analyser
- ISE

### Orders

- Worklist
- Request Samples
- Request Calibrations
- Request QC

### Results

- Validate
- Sample
- Calibration
- QC

### Service

- Due
- ALL
- BOD
- Execute BOD

### Configuration

- Installing Calibrator
- Installing QC
- Installing Test
- QC Precision Limits
- QC Accuracy Limits
- QC Limits L/H

### Validate Results

- Auto Accept
- Manual Accept
- Dilution

### Deletion

- Orders
- Results
- QC Exclusion
- Calibration

### General

- Precision Check
- Loading/Unloading Racks



### Calibration Alarms & Troubleshooting:

(Please check in the Box)

A. Photometric Calibration Alarms & Troubleshooting Tips

B. ISE Calibration Alarms & Troubleshooting Tips

C. Data Alarms & Troubleshooting Tips

Signature of Trainer Bhanu Date 20/05/2022

Name of Trainer Bhawni Prasad.U

Trainers Comment: Initial operator training completed successfully

Trainee 1: K. PHANI KRISHNA

Signature: K. Phani Krishna

Trainee 2: N. SRINU

Signature: N. Srinu

Trainee 3:

Signature:

Customer Seal:





Final Report

May 20, 2022 14:24

Hospital / Lab Name  
Address 1  
Address 2  
City, State, Zip Code  
Phone No.

Patient ID: Undefined      Order ID: LIN NEAT  
Name: Undefined      Created: May 20, 2022 14:05  
Date of Birth:      Sex: Undefined

Test	Result	Unit	Flag	Reference Range
Unassigned				
Glucose HK Gen.3	292	mg/dL		-



May 20, 2022 14:24

# al Report

Hospital / Lab Name

Address 1

Address 2

City, State, Zip Code

Phone No.

Patient ID: Undefined

Order ID: LIN 1:4

Name: Undefined

Created: May 20, 2022 14:06

Date of Birth:

Sex: Undefined

Test	Result	Unit	Flag	Reference Range
Unassigned				
Glucose HK Gen.3	72	mg/dL		-

---

Hospital / Lab Name

Address 1

Address 2

City, State, Zip Code

Phone No.

---

Patient ID: Undefined

Order ID: LIN 1:8

Name: Undefined

Created: May 20, 2022 14:06

Date of Birth:

Sex: Undefined

---

Test	Result	Unit	Flag	Reference Range
Unassigned				
Glucose HK Gen.3	36	mg/dL		-

Hospital / Lab Name

Address 1

Address 2

City, State, Zip Code

Phone No.

Patient ID: Undefined

Order ID: LIN DIL

Name: Undefined

Created: May 20, 2022 14:07

Date of Birth:

Sex: Undefined

Test	Result	Unit	Flag	Reference Range
Unassigned				
Glucose HK Gen.3	0	mg/dL		-

Hospital / Lab Name

Address 1

Address 2

City, State, Zip Code

Phone No.

Patient ID: Undefined

Order ID: CAROVR A1

Name: Undefined

Created: May 20, 2022 14:17

Date of Birth:

Sex: Undefined

Test	Result	Unit	Flag	Reference Range
Unassigned				
Glucose HK Gen.3	289	mg/dL		-

Hospital / Lab Name

Address 1

Address 2

City, State, Zip Code

Phone No.

Patient ID: Undefined

Order ID: CAROVR B1

Name: Undefined

Created: May 20, 2022 14:17

Date of Birth:

Sex: Undefined

Test	Result	Unit	Flag	Reference Range
Unassigned				
Glucose HK Gen.3	0	mg/dL		-

Hospital / Lab Name

Address 1

Address 2

City, State, Zip Code

Phone No.

Patient ID: Undefined

Order ID: CAROVR A2

Name: Undefined

Created: May 20, 2022 14:18

Date of Birth:

Sex: Undefined

Test	Result	Unit	Flag	Reference Range
Unassigned				
Glucose HK Gen.3	291	mg/dL		-



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Hospital / Lab Name

Address 1

Address 2

City, State, Zip Code

Phone No.

---

Patient ID: Undefined

Order ID: CAROVR B2

Name: Undefined

Created: May 20, 2022 14:18

Date of Birth:

Sex: Undefined

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Test	Result	Unit	Flag	Reference Range
Unassigned				
Glucose HK Gen.3	0	mg/dL		-