

# GHSPL SAMBHAV KNJ HEALTHCARE LLP

Installation Qualification

Operational Qualification

Performance Qualification



AutoQuant 200 Excelus

Fully Automated Biochemistry Analyzer



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Meril Diagnostics Pvt. Ltd.  
Survey No.135/2/B, Bilakhia House  
Muktanand Marg, Chala  
Vapi - 396191, Gujarat, India.

AutoQuant 200 Excelus  
GHSPL SAMBHAV KNJ HEALTHCARE LLP

INSTALLATION QUALIFICATION  
FOR

**GHSPL SAMBHAV KNJ HEALTHCARE LLP**

INSTALLATION QUALIFICATION#01

MARKETED BY:

MERIL DIAGNOSTICS PVT. LIMITED

MUKTANAND MARG, CHALA

VAPI - 396191

INDIA

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Vapi - 396191, Gujarat, India.

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**I. APPROVAL OF THE IQ PROCEDURE:**

Meril Diagnostics Pvt. Ltd. is responsible for the installation of the **Fully Automatic Biochemistry Analyzer, Merilyzer - AutoQuant 200 Excelus, Sr. No. AQ-060177** at **GHSPL SAMBHAV KNJ HEALTHCARE LLP** as per the attached protocol.

**Protocol Performed By: Meril Diagnostics Pvt. Ltd. Representative**

Name: Mr. Debasish Mondal



Signature:

Title: INSTALLATION QUALIFICATION

Date: 12-Aug-2022

Company: MERIL DIAGNOSTICS PVT. LIMITED

**Validation Team:**

Name: **Mr. Debasish Mondal**



Signature:

**Designation: Service Engineer**

Date: 12-Aug-2022

Department: Service Engineer

**Customer Authorizations:**

Name :

Signature:

Title :

Date:

Site : GHSPL SAMBHAV KNJ HEALTHCARE LLP

## II. INSTRUCTIONS

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

1. An authorized Meril Diagnostics representative will check the system and enter the specific data as outlined in the appropriate Installation Qualification.
2. Employees of (customer) **GHSPL SAMBHAV KNJ HEALTHCARE LLP** will verify each result and sign in the last page. The members of the validation will carry this out.
3. All deviation from the normal specification to include any problems with installation will be noted under COMMENTS. All resolution to such problems will also be noted in the COMMENTS section. Additional space is provided at the end of this protocol for the same.
4. This document propriety information and is in no way to be copied, photographed or duplicated in any way without expressed authorization from Meril Diagnostics Pvt. Limited.

### Validation Team:

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Signature:**



**Date: 12-Aug-2022**

### III. SCOPE

This installation Qualification protocol will be performed on the **Merilyzer - AutoQuant 200 Excelus, Sr. No. AQ-060177** located at **GHSPL SAMBHAV KNJ HEALTHCARE LLP**. This protocol will define the documentation that will be used to evaluate the instrument installation in accordance with the manufacturer's specifications and intended use.

Successful completion of this protocol will verify that this instrument has been installed in accordance with the intended usage.

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

Trained, knowledgeable personnel will perform qualification studies.

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

#### **Validation Team:**

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Signature:**



**Date: 12-Aug-2022**

**IV. ANCILLARY INFORMATION.**

**a. Certificate of Purchase Order Compliance**

I certify to the best of my knowledge, the instrument installed on 12-Aug-2022, has been purchased under RR Scheme DC No. \_\_\_\_\_ dated \_\_\_\_\_, contracted for period of 05 years is in compliance with the specifications of the purchase order or contract.

Verified By:

Date:

**b. Utilities**

Sr. No.	Utility	Verified by & Date
1.	Environmental conditions as per required (free from dust, ambient light & electrical, yes / no magnetic interference)	Mr. Debasish Mondal  Date : 12-Aug-2022
2.	Adequate space for installation:  (Minimum mm 600 X 450 X 400)      yes / no	YES
3.	Electrical Outlets:  Actual voltage on site [ 230VAC]      yes / no	YES

**c. The instrument has been checked for the following:**

Sr. No.	Verification	Verified by & Date
1.	Instrument is identified yes / no	YES
2.	Manufacturer's specifications are included yes / no	YES
3.	Accessories / consumables are listed yes / no	YES
4.	Equipment manual from the manufacturer yes / no	YES
5.	Manufacturer Certificate of Compliance is attached yes / no	YES

**Validation Team:**

Name: Mr. Debasish Mondal



Signature:

**Designation: Service Engineer**

Date: 12-Aug-2022



## V. INSTALLATION QUALIFICATION

### a. Equipment Description

The Automated Biochemistry Analyzer is a walk away system with simultaneous processing clinical chemistry samples. The data files created can be printed in report form or stored as data files for a variety of clinical chemistry-based applications.

Instrument Identification	Verified By	Date
Equipment Name : Automated Biochemistry Analyzer	Mr. Debasish Mondal	12-Aug-2022
Model : AutoQuant 200 Excelus		
Manufacturer : Meril Diagnostics Pvt. Ltd. India		
Marketed By : MERIL DIAGNOSTICS PVT. LIMITED		
Equipment # : Biochemistry Analyzer		
Serial Number : AQ-060177		
Size : 548 X 422 X 383 (mm)		
Power : AC 230 V		

### Validation Team:

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Signature:**



**Date: 12-Aug-2022**

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**b. Accessories/Consumables**

The following accessories were supplied with the instrument. Check 'verified by' in case they are found to be in order.

Description	Quantity	Verified by	Date
User's manual	1	Mr. Debasish Mondal	12-Aug-2022
Application Software	1		
CPU+Monitor+Keyboard+Mouse+Speakers+Printer	1		
Reagent Vials ( 20 ml )	50		
Distilled Water Can	1		
Waste Can	1		
Sample Cups	200		
RS 232 Cable	1		
RS 232 to USB Cable	1		
Sample Racks	1		
Reagent Rack	1		
Probe Cleaning Wire	1		
D.W & Waste Tubings	2		
Sample Probe	1		
Power Cords	1		

**Validation Team: Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Date: 12-Aug-2022**

### C. List of Manuals, Certificates and Drawings

Meril Diagnostics Pvt. Ltd. provides the following with the instrument.

1. Operator's/User's manual for AutoQuant 200 Excelus.

### D. Change Control Procedure

The instrument will not be altered, enhanced or substituted for another system until a formal change Control Authorization is approved from Meril Diagnostics Pvt. Limited.

### E. Maintenance

The instrument listed within this document will placed under the control of purchasing / contracted institution with respect to proper maintenance procedures as detailed in the operations manual. The maintenance procedures will be filed separately.

A trained analyst using the manuals provided with the instrumentation can perform simple maintenance. Upon expiration of the warranty period Meril Diagnostics offers several level of maintenance agreements and performance testing services to assist you in maintaining GLP/GMP compliance. Containing your local representative and requesting the additional service Agreement can supply additional information.

### F. Spare Parts

Meril Diagnostics Pvt. Ltd. strongly recommends the end user maintain a basic of consumable parts onsite to minimize down time due to minor failures. They have provided the list of such consumable parts.

For RRC, maintenance will be taken care as per contractual agreement.

### Validation Team:

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**



**Signature:**

**Date: 12-Aug-2022**

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## VI. INSTALLATION PROCEDURE:

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

### 1. Installation of Hardware

Follow the instructions mentioned in section 1 of the operator's manual for installation of the hardware.

### 2. Installation of Software

(Pre installed software is provided with the system.)

### 3. Installation of Printer

Follow the instructions mentioned in Setup Guide of HP color ink jet printer.

## Validation Team:

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Signature:**



**Date: 12-Aug-2022**

## VII. COMMENTS

**Validation Team:**

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Signature:**



**Date: 12-Aug-2022**

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## VIII. SYSTEM CERTIFICATION

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

**Protocol Performed By: Meril Diagnostics Pvt. Ltd. Representative**

**Validation Team:**

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**



**Signature:**

**Date: 12-Aug-2022**

Company: MERIL DIAGNOSTICS PVT. LIMITED

**Customer Authorizations:**

Name :

Signature:

Title :

Date:

Site : GHSPL SAMBHAV KNJ HEALTHCARE LLP

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AutoQuant 200 Excelus  
Fully Automated Biochemistry Analyzer

OPERATIONAL QUALIFICATION

FOR

**GHSPL SAMBHAV KNJ HEALTHCARE LLP**

OPERATIONAL QUALIFICATION#02

MARKETED BY:

MERIL DIAGNOSTICS PVT. LIMITED

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### Sr. No. CONTENTS

**I.** Approval of the OQ procedure

**II.** Instructions

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**V.** Comments

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**I. APPROVAL OF THE OQ PROCEDURE:**

Meril Diagnostics Pvt. Ltd. is responsible for the installation of the **Fully Automatic Biochemistry Analyzer, Merilyzer - AutoQuant 200 Excelus , Sr. No. AQ-060177** at **GHSPL SAMBHAV KNJ HEALTHCARE LLP** as per the attached protocol.

**Protocol Performed By: Meril Diagnostics Pvt. Ltd. Representative**

Name: Mr. Debasish Mondal

Signature:



Title: OPERATIONAL QUALIFICATION

Date: 12-Aug-2022

Company: MERIL DIAGNOSTICS PVT. LTD.

**Validation Team:**

Name: Mr. Debasish Mondal

Signature:



Title: **Service Engineer**

Date: 12-Aug-2022

Department: MERIL DIAGNOSTICS PVT. LTD

**Customer Authorizations:**

Name :

Signature:

Title :

Date:

Site :GHSPL SAMBHAV KNJ HEALTHCARE LLP

## II. INSTRUCTIONS

1. An authorized Meril Diagnostics Pvt. Ltd. representative will check each module and enter the specific data as outlined in the appropriate Operational Qualification. Each result will be noted and dated.
2. Employees of (customer) **GHSPL SAMBHAV KNJ HEALTHCARE LLP** will verify each result and sign in the last page. The members of the validation will carry this out.
3. All deviation from the acceptance criteria detailed in this document will be noted under COMMENTS section at the end of the OQ protocol. All resolution to such problems will also be noted in the COMMENTS section and must be resolved prior to issuance of a SYSTEM CERTIFICATION.
4. Any test data, which does not meet the specified acceptance criteria, will be submitted to the appropriate laboratory personnel for solution. All steps taken subsequently will be documented.

### Validation Team:

Name: Mr. Debasish Mondal



Signature:

Title: Service Engineer

Date: 12-Aug-2022

Department: MERIL DIAGNOSTICS PVT. LTD

## II. SCOPE

This operational Qualification protocol will be performed on the **Fully Automatic Biochemistry Analyzer, Merilyzer AutoQuant 200 Excelus , Sr. No. AQ-060177** located at **GHSPL SAMBHAV KNJ HEALTHCARE LLP** . This protocol will define the documentation that will be used to evaluate the instrument operation in accordance with the manufacturer's specifications and intended use. Successful completion of this protocol will verify that this instrument has been installed in accordance with the intended usage.

Trained, knowledgeable personnel will perform qualification studies.

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

### Validation Team:

Name: Mr. Debasish Mondal



Signature:

Title: **Service Engineer**      Date: 12-Aug-2022

Department: MERIL DIAGNOSTICS PVT. LTD

## II. OPERATIONAL QUALIFICATION

### A. Instrument Identification Verified Date

1. Model Name **AutoQuant 200 Excelus**
2. Serial Number **AQ-060177**

### B. Following is the list of test performed and verified

Test No.	Test Name	Test Purpose	Verified Date
1.	Assay Programming	Programming a test as per the kit insert	12-Aug-2022
2.	Worklist Programming	In order to set up for a RUN	
3.	Initialize	To do the initialization of daily activity	
4.	Print	Printing Of Results	
5.	End of Work	For maintenance of the instrument	

### Validation Team:

Name: Mr. Debasish Mondal



Signature:

Title: **Service Engineer**

Date: 12-Aug-2022

Department: MERIL DIAGNOSTICS PVT. LTD

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## C. Operational Testing

### Test I

**Test Name: Assay Programming**

**Purpose: To programme the specified test**

#### Procedure:

1. Open AutoQuant 200 Excelus Operating Software.
2. Click on Parameter button
3. Enter test name, test code, define Method, Filter and other details menu.
4. Define Reference range in Reference Range window.
5. Define Calibrator in Calibration Window.
6. Input Control values in QC window.
7. Input Calculation formula in calculation item setting window.
8. Click on Save to save the protocol.

#### Validation Team:

Name: Mr. Debasish Mondal



Signature:

Title: **Service Engineer**

Date: 12-Aug-2022

Department: MERIL DIAGNOSTICS PVT. LTD

## D. Creating & Processing a Worklist

### Test II

**Purpose:** In order to set up for a worklist of same type of multiple tests to be run together.

**Method:**

1. Click on Schedule button.
2. Click on sample button.
3. Select test to be processed.
4. Input patient information.
5. Click on Add and Modify button,
6. Click ID++ to programme next sample,
7. Put samples on designated positions,
8. Click Save then Test button to start processing.
9. Refer Operators manual section 4 for more details.

**Validation Team:**

Name: Mr. Debasish Mondal

Signature:



Title: **Service Engineer**

Date: 12-Aug-2022

Department: MERIL DIAGNOSTICS PVT. LTD

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## E. Initialization

### Test III

Test Name: **Initialization**

**Purpose: In order to check the proper working of the instrument**

#### Method:

1. The machine performs a self-test at the time of initialization to check if all the mechanics of the machine are working OK.

#### Validation Team:

Name: Mr. Debasish Mondal



Signature:

Title: Service Engineer

Date: 12-Aug-2022

Department: MERIL DIAGNOSTICS PVT. LTD

## G. OPERATIONAL PROCEDURE

### A. Certificate of training

1. **Technician Training :** This certifies that the technicians listed below have received basic user training in the following categories for the system described in this installation qualification.

Mr. Debasish Mondal is certified by Meril Diagnostics Pvt. Ltd.  
Has conducted the training.

Sr. No.	Training Program	Initials	Date
1.	Instrument Setup	OK	12-Aug-2022
2.	System operation	OK	12-Aug-2022
3.	Basic troubleshooting	OK	12-Aug-2022
4.	Routine Maintenance	OK	12-Aug-2022

2. **Operator Training:** The users responsible for the operation of this instrument will be trained in the proper usage of the system. Training will focus on the basic operation and maintenance of the system. The training of the operators will be documented and the training records will be filled as indicated below:

Sr. No.	Operators	Location	Initials	Date
1.			OK	12-Aug-2022
2.			OK	

#### Validation Team:

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Date: 12-Aug-2022**



## V. COMMENTS

### Validation Team:

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Signature:**



**Date: 12-Aug-2022**

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## VI. SYSTEM CERTIFICATION

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

### Protocol Performed By: Meril Diagnostics Pvt. Ltd. Representative

Name: Mr. Debasish Mondal



Signature:

Title: OPERATIONAL QUALIFICATION

Date: 12-Aug-2022

Company: MERIL DIAGNOSTICS PVT. LIMITED

### Customer Authorizations:

Name :

Signature:

Title :

Date:

Site : GHSPL SAMBHAV KNJ HEALTHCARE LLP

AutoQuant 200 Excelus  
Fully Automated Biochemistry Analyzer

PERFORMANCE QUALIFICATION

FOR

**GHSPL SAMBHAV KNJ HEALTHCARE LLP**

PERFORMANCE QUALIFICATION#01

MARKETED BY:

MERIL DIAGNOSTICS PVT. LIMITED

MUKTANAND MARG, CHALA

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### Sr. No. CONTENTS

**I.** Approval of the PQ procedure

**II.** Instructions

**III.** Scope

**IV.** Performance Qualification

**V.** Comments

**VI.** System Certification

**I. APPROVAL OF THE PQ PROCEDURE:**

Meril Diagnostics Pvt. Ltd. is responsible for the installation of the **Fully Automatic Biochemistry Analyzer, Merilyzer - AutoQuant 200 Excelus, Sr. No. AQ-060177** at **GHSPL SAMBHAV KNJ HEALTHCARE LLP** as per the attached protocol.

**Protocol Performed By: Meril Diagnostics Pvt. Ltd. Representative**

Name: Mr. Debasish Mondal



Signature:

Title: OPERATIONAL QUALIFICATION

Date: 12-Aug-2022

Company: MERIL DIAGNOSTICS PVT. LTD.

**Validation Team:**

Name: Mr. Debasish Mondal

Title: Service Engineer

Date: 12-Aug-2022

Department: MERIL DIAGNOSTICS PVT. LTD

**Customer Authorizations:**

Name :

Signature:

Title :

Date:

Site : GHSPL SAMBHAV KNJ HEALTHCARE LLP

## II. INSTRUCTIONS

1. An authorized Meril Diagnostics Pvt. Ltd. representative will check for the performance of the system and enter the specific data as outlined in the appropriate Performance Qualification.
2. Performance checks on a regular basis described in the Further Performance Checks (vide-infra) will be responsibility of the customer's personnel.
3. Employees of (customer) GHSPL SAMBHAV KNJ - HEALTHCARE LLP will verify each result and sign in the last page. The members of the validation will carry this out.
4. All deviation from the acceptance criteria detailed in this document will be noted under COMMENTS section at the end of PQ section. All resolution to such problems will also be noted in the COMMENTS section and must be resolved prior to issuance of a SYSTEM CERTIFICATION.
5. Any test that does not meet the specified acceptance criteria will be submitted to the appropriate laboratory personnel for solution. All steps taken subsequently will be documented.

### Validation Team:

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Signature:**



**Date: 12-Aug-2022**

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### III. SCOPE

This Performance Qualification protocol will be performed on the **Fully Automatic Biochemistry Analyzer, Merilyzer AutoQuant 200 Excelus, Sr. No. AQ-060177** located at **GHSPL SAMBHAV KNJ HEALTHCARE LLP**. This protocol will define the documentation that will be used to evaluate the instrument operation in accordance with the manufacturer's specifications and intended use. Successful completion of this protocol will verify that the instrument identified is performing in accordance with the intended usage.

Trained, knowledgeable personnel will perform qualification studies.

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

#### Validation Team:

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Signature:**



**Date: 12-Aug-2022**

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#### IV. PERFORMANCE QUALIFICATION

##### A. Instrument Identification Verified Date

1. Model Name AutoQuant 200 Excelus.
2. Serial Number AQ-060177

##### B. Following is the list of test performed and verified

Test No. Test Name Test Purpose Verified Date

- 01: SELF TEST : In order to check the proper working of the instrument.
- 02: DAILY MAINTENANCE : To eliminate unexpected errors.
- 03: RUN A TEST : To check the instrument performance.
04. CARRY OVER STUDY : To check carry over possibilities.

##### Validation Team:

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**



**Signature:**

**Date:** 12-Aug-2022



## C. Performance Testing

### Test I

Test Name: **Self-Test**

**Purpose: In order to check the proper working of the instrument**

**Method:** Switch ON the machine and Initialize the machine.

**Acceptance Criteria:** The machine passes Self Test and comes to main menu screen.

### Validation Team:

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**



**Signature:**

**Date:** 12-Aug-2022

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## **CARRY OVER CHECK :**

### **Validation of Glucose/Urea/SGOT test run:**

Replicates processed : 20

Number of Test & Samples processed : 10

Carry over found during performance check : YES / NO

(Data Sheet Attached for reference )

### **PARAMETER: PASS / FAIL**

During sample analysis run control samples with each test run. Validate test run as per the criteria stated in the respective kit inserts.

Accept the sample results only on meeting of the validation criteria.

### **Validation Team:**

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Signature:**



**Date: 12-Aug-2022**

**Validation of Instrument Performance :**

Validation Criteria	Result obtained	Criteria pass/fail	Verified by
Glucose Test	Ok	Pass	
Creatinine Test	Ok	Pass	
SGPT Test	Ok	Pass	

**PARAMETER: PASS / FAIL**

During sample analysis run control samples with each test run. Validate test run as per the criteria stated in the respective kit inserts.

Accept the sample results only on meeting of the validation criteria.

**Validation Team:**

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**



**Signature:**

**Date: 12-Aug-2022**

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 Vapi - 396191, Gujarat, India.

## V. COMMENTS

### Validation Team:

**Name: Mr. Debasish Mondal**

**Designation: Service Engineer**

**Signature:**



**Date: 12-Aug-2022**

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Vapi - 396191, Gujarat, India.

## VI. SYSTEM CERTIFICATION

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

### Protocol Performed By: Meril Diagnostics Pvt. Ltd. Representative

Name: Mr. Debasish Mondal



Signature:

Title: PERFORMANCE QUALIFICATION

Date: 12-Aug-2022

Company: MERIL DIAGNOSCTICS PVT. LIMITED

### Customer Authorizations:

Name :

Signature:

Title :

Date:

Site : Advance HCS Private Limited-Krishnanagar

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Meril Diagnostics Pvt. Ltd.  
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Muktanand Marg, Chala  
Vapi - 396191, Gujarat, India.

## Calibration Certificate

This is to Certify that Biochemistry Analyzer Meril **AutoQuant-200Excelus** Instrument Sr. No. **AQ-060177** Installed at **GHSPL SAMBHAV KNJ HEALTHCARE LLP** has been calibrated by our engineer on **10-Oct-2024** with appropriate and sophisticated tools. Below parameter has been calibrated:

### TEST ITEMS AND RESULT

Appearance	No Imbalance Probe Movement
Leakage in Water tubing or CRU	No water leakage
Ambient temp ( 15- 32 ) Degree	24.0 degree C
Lamp Check	Ok
Sample Dispersing Volume	In range ( 0 to 30 ul)
Reagent cooling Temperature	2.8 ° C ( 0 to 15 Degree)
Optical Path length	0.65
Waster & Water Sensor	Working Properly
Threshold value	±34000 (≥25,000)
Valve & Motor	Working Properly
Reagent Dispensing Volume	In range ( 0 to 150 ul)
Power Supply and Earthing	230 Volts and Grounding less then 5 V
CV-Kinetic/End point/two Point	CV- 1.77% /2.42% /2.80%
SD-Kinetic/End point/two Point	SD- 1.15/0.39/0.69
Mean-Kinetic/End point/two Point	Mean- 97.55/14.34/24.79
Hardware Check-Functional Test	OK5415152524141112
Light Quality Check	OK
Cuvette Absorbance	OK
Cuvette Blank Value	OK >33000
Incubation temp.	37.0 ° C
Room temp.	25.0 degree C

This Calibration Certificate is Valid Up to **09-Oct-2025**.

Conclusion: All parameter are within range. The Machine is working properly.  
(As per Meril terms.)

Engineer Name: **Mr. Debasish Mondal** Designation: **Service Engineer**

Engineer Sign:

Stamp;



# Patient report

Test name: ALB  
Reagent Lot

Reference: 3.20 - 5.00

Manufacturer: MERIL DIAGNOSTICS

No.	Patient ID	Result	Prompt
1	45	4.16	
2	45	4.18	
3	45	4.15	
4	45	4.15	
5	45	4.14	
6	45	4.16	
7	45	4.15	
8	45	4.13	
9	45	4.10	
10	45	4.10	
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No.	Patient ID	Result	Prompt
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# Patient report

Test name: TG

Reference: 35.00 - 170.00

Manufacturer: MERIL DIAGNOSTICS

Reagent Lot

No.	Patient ID	Result	Prompt
1	bonni	103.02	
2	bonni	101.70	
3	bonni	100.71	
4	bonni	101.64	
5	bonni	100.77	
6	bonni	100.99	
7	bonni	100.49	
8	bonni	101.81	
9	bonni	101.04	
10	bonni	99.89	
11	bonni	98.46	
12	bonni	101.70	
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No.	Patient ID	Result	Prompt
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# Patient report

Test name: CREAT

Reference 0.60 - 1.40

Manufacturer: MERIL DIAGNOSTICS

Reagent Lot

No.	Patient ID	Result	Prompt
1	43	0.95	
2	43	1.05	
3	43	0.98	
4	43	0.98	
5	43	0.98	
6	43	0.97	
7	43	0.97	
8	43	0.97	
9	43	0.94	
10	43	0.94	
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No.	Patient ID	Result	Prompt
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# Patient report

Test name: GLUC

Reference: 70.00 - 110.00

Manufacturer: MERIL DIAGNOSTICS

Reagent Lot

No.	Patient ID	Result	Prompt
1	47	114.07	H
2	47	113.46	H
3	47	113.59	H
4	47	112.08	H
5	47	112.40	H
6	47	111.69	H
7	47	110.05	H
8	47	110.52	H
9	47	108.56	
10	47	109.73	
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No.	Patient ID	Result	Prompt
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