

## **Installation Qualification for ST-200**

**Customer Name : SHIV DIAGNOSTICS & MATERNITY CENTRE**

**Address : NEAR SPACTRUM COURT  
ROAD KASHIPUR-244713**

**Instrument Model : ST-200**

**Serial Number : ST- 5861**

Initial Inspection of the Unit carried out and the details are as below:

### **System Condition Report:**

Found the System to have been delivered in satisfactory condition and no external physical damaged observed on the same. The Tilt-Indicator and the Shock-Indicators on the Packaging were found to be in Good Condition, indicating the System has not been subjected to mechanical shocks or stored in any manner, so as to cause any damage to the same.

Found all the required accessories as required.

**Installation Procedure & Checklist attached for records.**

### **External requirements for Installation:**

- 1 Input Voltage of 220V / 50 Hz ( UPS out-put );
- 2 Recommended Operating temperatures is 22 - 30 Degree Celsius, with relative Humidity 20 - 80% ( No Condensation );

## **Installation Certificate for ST-200**

This is to Certify that The **ST-200**+Instrument **Serial No. ST-5861** is successfully installed and Commissioned at **SHIV DIAGNOSTICS & MATERNITY CENTRE** and the Installation Protocol / checklist has been successfully completed for the above Instrument.

**PSR Diag. Pvt.Ltd.,**

Customer : SHIV DIAGNOSTICS & MATERNITY CENTRE

Name : Ramendra Sharma

Designation : Service. Engineer

Signature :

Date : 10.05.2020



# **PSR DIAGNOSTIC PVT. LTD.**

## Installation Qualifications for ST-200

Carried out all the Installation Procedures as per the Installation Procedure & Checklists.

Carried out all the necessary checks.

Carried out all checks and tests for Movement of Pump & Valve.

Carried out set up procedure as per the customer requirement.

Checked the Probe & Pump Tubing leakage.

Handed over the Instrument for Operators Training & Qualifications.

### For PSR Diagnostics Pvt. Ltd.

Name : Ramendra Sharma

Designation : Service Engineer

Date : 10.05.2020



## PSR DIAGNOSTIC PVT. LTD.

**Installation Report for ST-200**Customer Name : **SHIV DIAGNOSTICS & MATERNITY CENTRE**

Department : Electrolyte Analyzer

Contact Person :

Instrument Model : ST-200

Serial Number : ST-5861

Date of Installation : 10.05.2020

Installation Checks &amp; Protocol done as per Checklist attached.

The Instrument was installed and was found to be working satisfactorily. Preliminary Customer Training was provided and standardization of some parameters were done. The results were found to be within the expected range and the System found to be working satisfactorily.

PSR Diagnostics Pvt.Ltd.

CUSTOMER

Name : **Mr. Ramendra Sharma**  
MATERNITY CENTRE  
Designation : **Service Engineer**Name : SHIV DIAGNOSTICS &  
Designation:**PSR DIAGNOSTIC PVT. LTD.**

## Instrument Set Up

- 1 Installed the Na+ Electrode;
- 2 Installed the K+ Electrode;
- 3 Installed the Cl- Electrode;
- 4 Installed the Ica+ Electrode;
- 5 Installed the Ref. Electrode;
- 6 Installed the Reagent Module;
- 7 Installed the Printer Paper;
- 8 Installed the Pump Tube Kit;

## Operational Inspection

- 1 Checked the Leakage in Electrodes
- 2 Checked the Flow of Cal A;
- 3 Checked the Flow of Cal B;
- 4 Checked the Pump Tube Kit Tension;
- 5 Checked the Valve Movement
- 6 Checked the Probe Sensor & Bubble Detector;

**PSR Diagnostics Pvt. Ltd.**

**Name : Mr Ramendra Sharma**

**Designation : Service Engineer**

**Date : 10.05.2020**



**PSR DIAGNOSTIC PVT. LTD.**

## **Performance Qualifications for ST-200**

### **1. Controls -**

- a. Quality Control – Level 1(Low)
- b. Quality Control –Level 2(Normal)
- c. Quality Control –Level 3(High)

Checked and found all level Controls to be within the acceptable SD

Datasheet of Calibration and Controls attached.

## **Operations Qualifications for ST-200**

- |   |        |
|---|--------|
| 1. Verified the Calibrations of Electrodes      | : Done |
| 2. Carried out set-up of parameters             | : Done |
| 3. Carried out Daily Cleaning Procedures        | : Done |
| 4. Carried out manual set-up                    | : Done |
| 5. Carried out Calibration of Moving Table      | : Done |
| 6. Imparted Operator's training and maintenance | : Done |

## **Operational Qualification:**

### **System certification**

Study Data has determined that the System described in this document either meets all criteria outlined in this Operational Qualification Protocol, or exceptional conditions have been identified and documentation included.

Exceptional conditions, if any, have been addressed.

**The System is ready for specific usage.**

Protocol Performed By : PSR Diagnostics Pvt. Ltd.

Name : Mr. Ramendra Sharma

Customer Authorization : **SHIV DIAGNOSTICS & MATERNITY CENTRE**

Company Representative Name & Sign:

Date : 10.05.2020



## **PSR DIAGNOSTIC PVT. LTD.**