

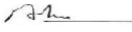
Installation Qualification for Avantor H33s Sr.No :TH23012078

Customer Name : **VRINDA PATHOLOGY LAB**
Customer Address : **B.S.M Inter College Masjid Wali Gali Near Santya Hospital Roorkee Uk-247667**
Contact Person : **Dr. AASHUTOSH**
Instrument Model : **AVANTOR H33S**
Serial No. : **TH-23012078**
Date Of installation : **01-03-2022**

The instrument was installed And was found to be working satisfactory. Preliminary Customer Training was provided And standardization of the parameters Were done. The results were found to be within the expected range and system found to be working satisfactorily.

Customer: Vrinda Pathology Lab B.S.M Inter College Masjid Wali Gali Near Santya Hospital Roorkee Uk-247667

MRIN, Technical Services Department

Name	: Kali	Contact Person	: Varun K Sharma
Designation	: Sr. Service Engineer	Designation	: Asst. Application Manager
Signature	: 		: 

Installation Certificate For H33s Sr.No :TH23012078

This is to certify that the instrument H33s Sr.No :TH23012078 is successfully installed and commissioned at : Vrinda Pathology Lab B.S.M Inter College Masjid Wali Gali Near Santya Hospital Roorkee Uk-247667, : and the Installation Protocol/ checklist has been Successfully completed for the above Instrument.

Date of Installation : 01/03/2022

MRIN, Technical Services Department

Name : Kali 

Designation : Sr. Service Engineer

Installation Qualification for Avantor H33s Sr.No :TH23012078

Customer Name : Vrinda Pathology Lab B.S.M Inter College Masjid Wali

Gali Near Santya Hospital Roorkee Uk-247667

Instrument Name : H33s

Serial No : TH23012078

Initial Inspection of the unit carried out and the details are as follows:

System Condition Report:

Found the system to have been delivered in satisfactory condition and no external physical damaged observed on the same,Package was kept in good Condition as per the directional indicators like not tilt, 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.

Intallation Procedure And Checklist Attached for the records.

External Requirement for Installation:

- 1. Input voltage of 220V-240V/50Hz or 60 Hz.**
- 2. Recommended operating Temperature is 15-30 degree Celsius, with in Relative Humidity 30-85% and Atmospheric pressure 70-106kPa.**

Installation Qualification for Avantor H33s Sr.No :TH23012078

Carried out all the installation procedures as per the installation procedure and checklists.

Carried out all the necessary checks and alignments.

Carried out all the necessary system checks and tests.

Handover the Instrument for operatos Training And Qualifications

For MRIN, Technical Services Department

Name : Kali 

Designation : Sr. Service Engineer

Performance Qualification for H33s Sr.No :TH23012078

Calibration Parameters

Checked and found all the control [parameters to be with in the acceptable CV limits and in range.

Checked and found all controls to be within The acceptable SD.

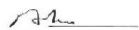
System Certification:

Study data has determined that the system described in this document either meets the necessary criteria outlined in this Performance Qualification Protocol, or exceptional conditions have been identified and documentation included.

The system is ready for Specific Usage.

Protocol Performed By:

Name : Varun Kumar Sharma



Designation :Asst. Application Manager

PERFORMANCE QUALIFICATION DONE BY

Name : Varun Kumar Shrama



Designation : Asst. Application Manager

Operation Qualification for H33s Sr.No :TH23012078

System Certification:

Study data has determined that the system described in this document either meets all criteria outlined in this Operational 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 : MRIN, Ahmedabad

Name: Kali 

Designation: Sr. Service Engineer

Customer Authorization : **Vrinda Pathology Lab B.S.M Inter College Masjid Wali**

Gali Near Santya Hospital Roorkee Uk-247667 Pradesh- 471001

Name : **Dr,Aashutosh**

Designation : **Lab Owner**

Company Representative Name And Sign

Mr. Kali 

Date: **01/03/2022**

Customer Name And Sign

Dr,Aashutosh

Date: **01/03/2022**

Operation Qualification for H33s Sr.No :TH23012078

1. Verified all the Mechanical Movements : Done
2. Verifeied Hydraulics : Done
3. Verified Electrical Systems : Done
4. Verified the all reagents Systems : Done

MRIN, Technical Services Department

Name : Kali 

Designation : Sr. Service Engineer

Date : 01/03/2022

Instrument Setup

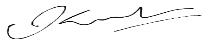
1. Assembled the instrument accessories.
2. Removed the shipping Clamps.
3. Connected the LYSE REAGENT .
4. Connected the DILUENT REAGENT.
5. Connected the Waste Tubing
6. Connected the Power cord and connection cord.
7. Initialise the machine and follow the installation procedure.

Operational Instpection

1. Checked and found Mechanical Movements OK.
2. Checked and found Hydraulics OK.
3. Checked and found Electricals OK.
4. Checked with Controls And Samples, Results Are found OK.

MRIN, Technical Services Dpartment

Name : Kali

A handwritten signature in black ink, appearing to be 'Kali', written in a cursive style.

Designation : Sr. Service Engineer

Calibration Certificate H33S			
Customer Name	VRINDA PATHOLOGY LAB	Date	05.06.2023
Address	B.S.M INTER COLLEGE MASJID WALI GALI NEAR SANTYA HOSPITAL ROORKEE UK-247667		
Instrument Model	AVANTOR H33S	Date of Calibration	05.06.2023
Serial No	TH-23012078	Calibrator Lot Number	PLUS0318
		Calibrator Expiry date	28/8/2023

Calibration Values	Parameter	Target	Range	Mean of Measured Values	Factor	Old Factor
	WBC x 10 ³ /μl	9.5	9.3-9.70	9.817	100	96.77
	RBC x10 ⁶ /μl	4.5	4.47-4.63	4.497	100	101.18
	HGB g/dl	13.8	13.6-14	14.17	98	95.39
	MCV fl	96	94-98	92.75	100	103.5
	PLT x 10 ³ /μl	254	242-266	248.6	105	97.17

It is hereby certified that the Avantor H33S hematology analyzer installed at VRINDA PATHOLOGY LAB has been calibrated using the standard reference material PLUS 0318.

This certificate is valid for 1 year from date of calibration.

With Regards,



Avantor India Pvt Ltd.