



CALIBRATION REPORT

Customer Name : Viloo Poonawala Memorial Hospital.

1. Instrument: Bio-chemistry Analyzer
2. Model: Rx50v
3. Sr.No:2150146
4. Date of calibration: 19.06.2022.

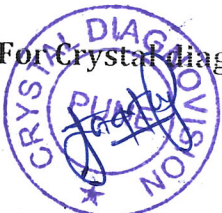
TEST PARAMETERS

Test Parameters	Actual Parameters	Ok/NOT OK
Logic voltage 3.3v	3.3v	Ok
Lamp Voltage (11.8 to 12.2)	12v	Ok
SMPS Voltages	15.1V	Ok
Flowcell Temperature	25 c 1738 30 c 1453 37c 1163	All ok
Pump cal. Value	4850	Ok

Sr.No	Filters	Gain Voltages	Range
1	340nm	1.6501	1.3000-1.9000
2	405nm	1.9301	1.4000-2.8000
3	000nm	-	1.4000-2.8000
4	505nm	2.0380	1.4000-2.8000
5	516nm	2.1820	1.4000-2.8000
6	578nm	2.2002	1.4000-2.8000
7	630nm	2.0450	1.4000-2.8000
8	000nm	-	1.4000-2.8000
9	Temp.	0.7	0.6-1.00
B	Filter offset	55	-

Next Calibration Due :19.06.2023

For Crystal Diagnosis





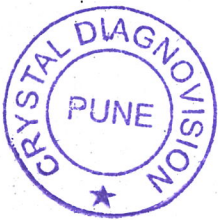
Date- 19/06/2022

IQ (Installation Qualification)

Sr No	Utilities to be checked	Observation	Inference	Verified by & Date
1	Environmental condition as per requirement : Ambient Temp Range : <u>05 - 32 °C</u> Humidity Range: <u>Less Than 80 %</u>	Temp : <u>24 °C</u> Humidity : <u>52%</u>	YES / NO	19/06/2022
2	Adequate space for installation : Minimum in FT. <u>3.0(W) X 2.5(D)</u>	OK FT.4.0(W)X2.6(D)	YES / NO	19/06/2022
3	Electrical Outlets : Actual voltage on site : <u>140-250 V</u>	230 V AC Regular	YES / NO	19/06/2022

The instrument has been verified for the following:

Sr No.	Verification		Verified by & Date
1	Equipment is identified	YES	19/06/2022
2	Manufacturer's specifications are included	YES	19/06/2022
3	Accessories / consumables are listed	YES	19/06/2022





Equipment Description:

Instrument Identification		Verified By	Date
Equipment Name	Semi Auto Bio chemistry Analyzer	Abhijit Jagtap	19/06/2022
Model	Rx-50V	Abhijit Jagtap	19/06/2022
Manufacturer	MICROLAB INSTRUMENTS	Abhijit Jagtap	19/06/2022
Marketed By	CRYSTAL DIAGNOVISION	Abhijit Jagtap	19/06/2022
Serial Number	2150146	Abhijit Jagtap	19/06/2022
SUPPLY	AC 220 V 50Hz POWER- 80VA	Abhijit Jagtap	19/06/2022

Validation By:

Name: Mr. Abhijit Jagtap

Designation: Service Engineer

Signature:





Date- 19/06/2022

OQ (Operational Qualification)

Equipment is working on PHOTOMETRIC REFLECTION Principle

Following is a list of tests to be performed and verified:

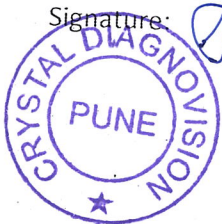
Test No	Test name	Test purpose	Verified by and Date
1	Self-checks	Initializing the instrument	19/06/2022
2	Mechanism operation Test	To test the mechanism of the instrument	19/06/2022
3	Printer	To test the working condition of the printer	19/06/2022
4	Calibration	For verification of the factory set calibration	19/06/2022
5	Quality control	For verification of calibration and validation of sample analysis	19/06/2022

Validation By :

Name: Mr.Abhijit Jagtap

Designation: Service Engineer

Signature:





PQ(Performance Qualification)

To,
Villo Poonawala Memorial Hospital,
Pune.

Date- 19/06/2022

Dear sir/Madam,
As desired by you please find enclosed herewith the report.

Name of System	Rx50 V
Sr. No.	2150146
Calibration done on	19 th June 2022
Next calibration Due on	18 ^h June 2023
Calibrated By	Mr. Abhijit Jagtap

Instrument calibration Values,

Quality Control Level 2:-

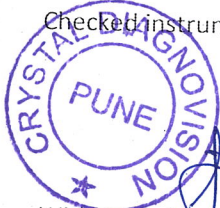
Assay Parameter	Tg	Glucose	Creatinine
Results	91.36	97.9	1.67
Range	81.2-112	94-128	1.16-1.76

Quality Control Level 3:-

Assay Parameter	Tg	Glucose	Creatinine
Results	260.80	259.2	4.14
Range	225-309	234-318	3.38-5.04

All value is within range.

Checked instrument all found ok.



With regards,
Crystal Diagnosis



TEST :GLU

Factor : 372.52
Calibrated on:20/06/22
20/06/22 04:23:59 PM

Pid	ABS	mg/dL	Flas
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TEST :GLU

5
0.3547 132.1 N

TEST :GLU

6
0.3635 135.4 N

TEST :GLU

7
0.8165 304.1 H

TEST :GLU

8
0.3913 145.7 H

TEST :TRIG

Factor : 864.79
Calibrated on:11/06/22
20/06/22 12:11:02 PM

Pid	ABS	mg/dL	Flas
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BLK 0.0304 ---
STD 0.2300 200.00 ---
Factor = 869.61

New Factor : 869.61

TEST :TRIG

1
0.2336 203.18 H

TEST :TRIG

2
0.1588 138.05 N

TEST :TRIG

3
0.1119 97.29 N

TEST :TRIG

4
0.2974 258.59 H

TEST :TRIG

Factor : 869.61
Calibrated on:20/06/22
20/06/22 03:53:44 PM

Pid	ABS	mg/dL	Flas
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TEST :TRIG

5
0.1062 92.35 N

TEST :TRIG

6
0.3126 271.81 H

TEST :CRTN

FACTOR : 28.59
Calibrated on:12/06/22
20/06/22 03:29:57 PM

Pid	ABS	mg/dL	Flas
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INITAL ABS: 0.2111
STD 0.0661 2.00 ---
Factor = 30.26

New Factor : 30.26

TEST :CRTN

FACTOR : 30.26

Calibrated on:20/06/22
20/06/22 03:39:56 PM

TEST :CRTN

Pid	ABS	mg/dL	Flas
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INITAL ABS: 0.3089
14
0.0526 1.59 H

TEST :CRTN

FACTOR : 30.26

Calibrated on:20/06/22
20/06/22 03:47:35 PM

TEST :CRTN

Pid	ABS	mg/dL	Flas
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INITAL ABS: 0.7546
15
0.1247 3.77 H

TEST :CRTN

FACTOR : 28.59
Calibrated on:12/06/22
19/06/22 12:49:26 PM

TEST :CRTN

Pid	ABS	mg/dL	Flas
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INITAL ABS: 0.3080
127
0.0584 1.67 H

TEST :CRTN

INITAL ABS: 0.0303
128
0.1448 4.14 H

TEST :CRTN

TEST :GLU

Factor : 289.56
Calibrated on:09/06/22
19/06/22 12:55:28 PM

Pid	ABS	mg/dL	Flas
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TEST :GLU

29
0.6810 197.1 H

TEST :GLU

30
0.3382 97.9 N

TEST :GLU

31
0.8954 259.2 H

TEST :GLU

Slope ?
32
-0.0207 -5.9 L

TEST :TRIG

Factor : 864.79
Calibrated on:11/06/22
19/06/22 12:57:50 PM

Pid	ABS	mg/dL	Flas
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TEST :TRIG

29
0.1057 91.36 N

TEST :TRIG

30
0.3016 260.80 H

TEST :GLU

Factor : 289.56