

Calibration Certificate – Rx Daytona+

Instrument	Rx Daytona+ Clinical Chemistry Analyser
Serial No	7241-0226
Account Name	Vinamra Swaraj Hospital – Pathology Lab -Dr. Teckchandani's Lab
Installation Date	03/03/2020
Calibration Date	10/04/2021
Next Calibration Due	09/10/2021

This is to certify that this analyser has been inspected and calibrated for following parameters:

Test Parameter	Target Value	Obtained Value
Input Voltage	230 -240 V AC	231 V AC
Cuvette Check	< 0.5 Abs for all cuvettes	< 0.20 Abs for all cuvettes
Photometer Gain Check	< 123 for all wavelengths	Between 1 to 90 for all wavelengths.
Gain Voltage for all wavelengths	> 8.5 V DC	Between 8.9 to9.1 V DC
Absorbance for all wavelengths	70 - 80 Abs	In range of 70 - 80 Abs
Check Lamp voltage	< 8.3 V DC	< 8.3 V DC
Incubator Temperature	37° C ± 0.3 max	37.07° C
Reagent Tray Temperature	8- 15 ° C	8.12° C
DTR Positioning Values for 90 cuvettes	0 ± 15	Between -15 to +15 for all the 90 cuvettes.
12V Lamp Supply	12 ± 0.3 volts	12.03 volts
5V Supply	5 ± 0.3 volts	5.05 volts
24V Supply	24 ± 0.3 volts	24.06 volts

The results obtained are as per specifications & tolerance ranges. The above calibration was done with an M/s. Mastech Digital Multimeter. (Model no. MAS830L). (Calibration certificate is enclosed herewith).



Jinesh Vadera ,

Customer Support Engineer, Mumbai.

Randox Laboratories (India) Private Limited

Regd Office : Plot No.191 - 195 & 246 - 250, KIADB Industrial Area.
Bommasandra-Jigani Link Road, Bengaluru, India - 560 105
T +91 80 2802 5000 Fax: +91 80 2802 5012
www.randox.com CIN : U24230KA2004PTC070372



CALIBRATION CERTIFICATE

No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.
Telefax : 080-23377266, Mob : 9986586789 / 9448080177 / 9964308118 | Email : viplgroup64@gmail.com Web : www.viplgroup.com

NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017

Page 1 of 3

1 Name and Address of Customer

M/s: Radox Laboratories (India) Pvt. Ltd.,
Plot No. 191-195 & 246-250, Bommasandra,
Jigani Link Road, Indl. Area, Rajapura Hobli, Jigani,
Anekal Taluk, Bangalore - 562 105.

2 Customer Reference

2.1 ULR No : CC247320200001258F
2.2 SRF No. : 1022
2.3 Certificate No. : VI/20-21/1022-01
2.4 Format No. : VI-FRM-ET-008
2.5 Receipt Date : 20-06-2020
2.6 DC No.& Date : GBLM2021/400003 & 18-06-2020
2.7 Issue Date : 22-06-2020

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Digital Multimeter
3.2 Make / Model : Mastech / MAS830L
3.3 SI.No. : 404994
3.4 DUC Condition : Satisfactory
3.5 Calibration Procedure No. : SOP-37-08
3.6 No.of Pages : 3
3.7 Calibration Date : 22-06-2020
3.8 Calibration Due : 21-06-2021
3.9 Calibration done at : VI Electrical Lab
3.10 Discipline : Electro-Technical

4 Environmental Condition

Temperature 26.3 °C Humidity 51 %RH

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No	Basic Accuracy	Certificate No.	Validity
1	Calibrator	Fluke & 5522A	3289904	±11 ppm	CR/PCAL/50761/1	23-09-2020

6 Note:

- The Calibration Certificate relates only to the above DUC.
- Publication or reproduction of this Certificate in any form other than by complete set of the whole report & in the language, written, is not permitted without the written consent of VI Lab.
- Corrections/erasing, invalidate the Calibration Certificate.
- Calibration of the DUC are traceable to National standards/International Standards
- Any error in this Certificate should be brought to our knowledge within 30 days from the date of this Cert.
- Results Reported are valid at the time of and under the stated conditions of measurements
- The usage of NABL Symbol is as per NABL guidelines given in NABL-133

Calibrated By

Asha S

(Calibration Engineer)

Checked By

Guruprasad S C

(Lab In-Charge)

Authorised By

Gangadhar C.K



COMMITTED TO THE
CUSTOMER SINCE - 1996

VAIDYANATHESHWARA INSTRUMENTS

CALIBRATION CERTIFICATE



NABL CERTIFICATE
CC-2473

No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.
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Certificate No. VI/20-21/1022-01

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Results:

Sl. No.	Parameter	Range	STD Input	DUC Reading	Error Claimed (±)	Error Observed	Measurement Uncertainty (±)	K Factor
1	DC Voltage	200mV	20 mV	20.2 mV	0.4 mV	0.2 mV	0.0008 mV	2.0
2			100	100.4	0.8	0.4	0.0039	2.0
3			180	180.5	1.2	0.5	0.0070	2.0
4		2 V	0.2 V	0.201 V	0.004 V	0.001 V	0.000003 V	2.0
5			1.0	1.005	0.008	0.005	0.000016	2.0
6			1.8	1.806	0.012	0.006	0.000029	2.0
7		20 V	2V	2.01 V	0.04 V	0.01 V	0.000032 V	2.0
8			10	10.03	0.08	0.03	0.000160	2.0
9			18	18.05	0.12	0.05	0.000288	2.0
10		200 V	20 V	20.1 V	0.4 V	0.1 V	0.00046 V	2.0
11			100	100.4	0.8	0.4	0.00230	2.0
12			180	180.6	1.2	0.6	0.00414	2.0
13		600 V	60 V	61 V	5 V	1 V	0.00138 V	2.0
14			300	302	7	2	0.00690	2.0
15			540	542	9	2	0.01242	2.0
16	Resistance	200 Ω	20 Ω	19.9 Ω	0.7 Ω	-0.1 Ω	0.0008 Ω	2.0
17			100	99.7	1.3	-0.3	0.0040	2.0
18			180	180.7	1.9	0.7	0.0072	2.0
19		2 kΩ	0.2 kΩ	0.198 kΩ	0.004 kΩ	-0.002 kΩ	0.00001 kΩ	2.0
20			1.0	1.004	0.010	0.004	0.00004	2.0
21			1.8	1.807	0.016	0.007	0.00006	2.0
22		20 kΩ	2 kΩ	2.01 kΩ	0.04 kΩ	0.01 kΩ	0.00007 kΩ	2.0
23			10	10.02	0.10	0.02	0.00035	2.0
24			18	18.05	0.16	0.05	0.00063	2.0
25		200 kΩ	20 kΩ	20.2 kΩ	0.4 kΩ	0.2 kΩ	0.00070 kΩ	2.0
26			100	99.7	1.0	-0.3	0.00350	2.0
27			180	179.4	1.6	-0.6	0.00630	2.0
28		2 MΩ	0.2 MΩ	0.202 MΩ	0.007 MΩ	0.002 MΩ	0.00001 MΩ	2.0
29			1	1.004	0.015	0.004	0.00004	2.0
30			1.8	1.806	0.023	0.006	0.00007	2.0

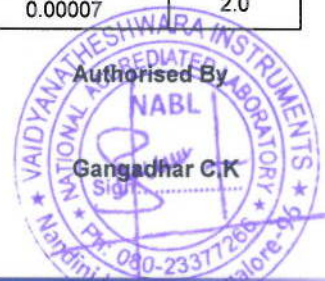
Calibrated By

Asha S
Asha S
(Calibration Engineer)

Checked By

Guruprasad S C
Guruprasad S C
(Lab In-Charge)

Authorised By



Gangadhar C K

CALIBRATION CERTIFICATE

No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.
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Results Continued....

Sl. No.	Parameter	Range	STD Input	DUC Reading	Error Claimed (±)	Error Observed	Measurement Uncertainty (±)	K Factor
31	DC Current	200 µA	20 µA	20.2 µA	0.5 µA	0.2 µA	0.0054 µA	2.0
32			100	100.4	1.3	0.4	0.0270	2.0
33			180	180.5	2.1	0.5	0.0486	2.0
34		2 mA	0.2 mA	0.201 mA	0.005 mA	0.001 mA	0.00003 mA	2.0
35			1	1.003	0.013	0.003	0.00016	2.0
36			1.8	1.805	0.021	0.005	0.00029	2.0
37		20 mA	2 mA	2.02 mA	0.07 mA	0.02 mA	0.0002 mA	2.0
38			10	10.05	0.15	0.05	0.0011	2.0
39			18	18.07	0.23	0.07	0.0020	2.0
40		200 mA	20 mA	20.1 mA	0.8 mA	0.1 mA	0.0054 mA	2.0
41			100	100.3	2.0	0.3	0.0270	2.0
42			180	180.4	3.2	0.4	0.0486	2.0
43		10A	1 A	1.03 A	0.13 A	0.03 A	0.0006 A	2.0
44			5	4.95	0.25	-0.05	0.0055	2.0
45			9	9.08	0.37	0.08	0.0099	2.0
46	AC Voltage @ 50 Hz	200 V	20 V	20.2 V	1.2 V	0.2 V	0.0086 V	2.0
47			100	100.4	2.2	0.4	0.0230	2.0
48			180	180.5	3.2	0.5	0.0414	2.0
49		600 V	60 V	61 V	11 V	1 V	0.0138 V	2.0
50			300	298	14	-2	0.0690	2.0
51			540	543	16	3	0.1890	2.0

Note:-

Diode & Continuity functions are checked & found satisfactory.

Conclusion Remarks:-

- 1 Measured readings are reported.
2. Measurement uncertainty reported is at 95.45 % confidence level.

Calibrated By

Asha S
Asha S

(Calibration Engineer)

Checked By

Guruprasad S C
Guruprasad S C
(Lab In-Charge)



Date: 21st April 2021

To Whomsoever it may concern

Dear Sir,

The Rx Daytona+ analyser 7241-0226 installed at Vinamra Swaraj Hospital is placed on Reagent Rental contract with Randox Laboratories India Pvt Ltd.

Hence the machine will be covered under Free CMC.

The period of CMC will be from 3rd March 2020 till 2nd March 2025.

Jinesh Vadera

Subject : No Equipment Calibration Requirement for FDC 4000i, NX500i, FDC7000i and NX700i

Design Change Reason	Action	Time frame
<input type="checkbox"/> Specification/Function change <input type="checkbox"/> Pro-active improvement <input type="checkbox"/> Serviceability <input type="checkbox"/> Part Replacement <input type="checkbox"/> Corrective Action <input type="checkbox"/> Preventive Action <input type="checkbox"/> Regulatory Compliance <input checked="" type="checkbox"/> Other (information)	<input type="checkbox"/> Mandatory <input type="checkbox"/> Recommended <input type="checkbox"/> Not required () <input checked="" type="checkbox"/> Other (information only)	<input type="checkbox"/> Immediately <input type="checkbox"/> Next maintenance <input type="checkbox"/> Upon trouble situation <input type="checkbox"/> At your convenience <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Other ()

Date: 04/December/2014 Dept.: Medical Systems Business Div.

Originator: M.Jumawid Edited by: M. Jumawid Approved by: Y. Kashi

Affected Products: FUJI DRI-CHEM analyzers FDC 4000i, NX500i, FDC7000i and NX700i

To whom it may concern:

This document certifies that FUJI DRI-CHEM analyzers FDC4000i, NX500i, FDC7000i and NX700i do not require equipment calibration.

The quality of these analyzers is guaranteed through the following principle.

FUJI DRI-CHEM analyzers are equipped with reference white and black plates. The functions of these plates are 1) to adjust the gain for all the interference filters before every measurement, and 2) to assure that the analyzer is working within the manufacturer's quality standard.

Measurements are conducted after gain adjustment, where the optical densities of reflectance for these plates measured in a constant interval, are checked. If the values exceed the threshold, the machine will indicate an error and the analyzer will not give a measurement result for this abnormal case.

The reference white and black plates are made from ceramic material which do not degrade over time, thus the quality of the analyzers can be confirmed over a long period of time.

- Special tools / Instruments : Yes No
- Supply of the articles : Yes No
 If Yes, when :
 Name / Code :
- Old parts after replaced : Yes No
- Report requirement after finished : Yes No

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 Contact person: Mariejoy Jumawid Tel: +81-3-6418-2213 E-mail: mariejoy.jumawid@fujifilm.com



Warranty Certificate

To whomsoever it may concern

This is to certify that the Dry Chemistry Analyser NX700i Sr.No.97021446 was installed at Vinamra Swaraj Hospital on 13th July 2020 and stands a warranty of 1 year from the date of installation.

Hence the warranty period will be from 13th July 2020 to 12th July 2021.

Regards,
Trushi Sonavaria
Assistant Manager – Service & Application (Pan India)
Fujifilm India Pvt Ltd.

FUJIFILM INDIA PRIVATE LIMITED

Registered Office: Unit No. 504 & 505, 5th Floor, 349 Business Point, Western Express Highway, Andheri (East), Mumbai – 400069, Telephone: +91-22-42364000 Fax: +91-22-42364001.

Corporate Office: Unitech Cyber Park, Unit No. 801-808, 8th Floor, Tower C, Sector 39, Gurugram -122001, Haryana
Telephone : +91-124-4325500, Fax : +91-124-4325555, Website : www.fujifilm.com, Email : contact@fujifilm.com

CIN: U24233DL2008PTC171054.

Calibration Certificate



UNMATCHED SERVICE
SINCE 1979

The EasyLyte displays analysis results automatically. It is a Self Calibrated analyzer. It is programmed to Calibrate every four hours.

Calibration is automatic, but can be performed on demand. A unique solutions pack contains standard solutions to calibrate the analyzer. The disposable solutions pack also contains a waste receptacle for spent samples and solutions, eliminating the need to handle biological waste materials.

Calibration values are the electrode response values (slopes) during the last calibration. Acceptable ranges are as follows:

Na+: 50-64

K+: 50-64

Cl-: 40-64

Li+: 50-66

Ca⁺⁺: 20-34

pH: 45-64

MEDICA EasyLyte



Date : 22/04/2021

To whomsoever it may concern

The MEDICA Electrolyte Analyser Na/K/CL SR No 63557CHKC placed at Vinamra Swaraj Hospital, Sector 11, Vashi is under CMC Contract of Transasia Biomedicals Ltd.

Contract End Date : 13/1/2022

Thanks & Regards,

Rahul Turambekar,
Sales Executive
07700907402.





BIO-RAD LABORATORIES (INDIA) PRIVATE LIMITED

Site name:	Vinmra Swaraj Hospital
Address:	Plot 108,108a,109, sector 11, Vashi
Province-Postal code	400703
Contact Name	ms Ujwala

Calibration Certificate

Date	22/09/2020 <small>(dd mmmm, yyyy)</small>	Instrument Model	D-10 Hb Analyzer	Instrument Serial Number	DJ7B056501
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We certify that the Bio-Rad instrument specified above and installed in your lab is calibrated and the performance was found satisfactory.

High Pressure Pump Flow Rate Reference: Service Manual: Section 7.7.3

Measured with <small>(Device manufacturer and model)</small>	Device Serial Number	Device Calibration date <small>(dd mmmm, yyyy)</small>
GEM PRO 250	-	10/01/2020

Specified Range@ 1.5ml/Minute	Measured Value
1.425 – 1.575 ml/minute	1.45ml/min

Column Holder temperature Reference: Service Manual: Section 7.9

Measured with <small>(Device manufacturer and model)</small>	Device Serial Number	Device Calibration date <small>(dd mmmm, yyyy)</small>
fluke 179	36030142	3/2/2020

Specified Range @ 35°C	Measured Value
33.4°C – 36.4°C	35

Detector log value Reference: Service Manual: Section 7.2 or Field Bulletin D-10-081

Measured with	Specified Range	Measured Value
Instrument Service Software	0.018 – 0.022 AU	0.021

The next calibration is due on	22/09/2021	<small>(dd mmmm, yyyy)</small>
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For Bio-Rad Laboratories India Pvt Limited

Authorized Signatory:

MASS HEALTHCARE

SALES OFF. : Shop No.06, Gr. Floor, Plot No. C-16, Vishnu Apts, Sector – 9, Airoli, Navi Mumbai – 400 708
Tele Fax No. : 2760 6079. E-mail : mass.airoli@gmail.com

23.04.2021
Thane

TO WHOMSOEVER IT MAY CONCERN

Dear Sir/Madam,

This is to inform you that, We, Mass Healthcare have placed a 'Bio-Rad D-10' system at Vinamra Swaraj Hospital, on Reagent Rental Basis.

This is to confirm that the instrument is currently covered under CMC till 15.11.21.

The CMC will be renewed by us every year, till the completion of the Reagent Rental Contract.



Milind Gharpure
Mass Healthcare