

TRANSASIA

Transasia Bio-Medicals Ltd., 51A, Kamalabayan Camp, 196A, Lower Ground, Kolkata - 700013
Tel: 033-2215388/22157839 Fax: 033-22158026 Email: info@transasia.co.in
UJ0113M-19HSP, C10013H



April 13, 2023

Calibration Certificate for Semi Automated Biochemistry Analyser, Model: ERB Chem 7 (S/N. - S1901148)

This is to certify that Semi Automated Biochemistry Analyser, Model: ERB Chem 7 installed at MediQ Diagnostic Center Ho-chi-Minh Sarani (1st Floor) Sukuntala 9 Sarsuna, Kolkata 700 061, West Bengal, has been calibrated and the calibration of filter gains and all other values has been checked and found well within the limit.

This calibration is valid till April 12, 2024

For Transasia Bio-Medicals Ltd.

*Suman Senapati
Service Engineer*



TRANSASIA[®]

Transasia Bio-Medicals Pvt. Ltd., Kolkata, West Bengal, India - 700013
Tel: 033-2245089/022157800 Fax: 033-22158000 Email: info@transasia.co.in
CIN: U33110MH1985PLC028100



April 13, 2023

Calibration Certificate for Semi Automated Biochemistry Analyser, Model: ERBA Chem 5x (SL No. - S2205257)

This is to certify that Semi Automated Biochemistry Analyser, Model: Erba Chem 5x installed at MediQ Diagnostic Center Ho-chi-Minh Sarani (1st Floor) Sukuntala Park Saranya, Kolkata 700 061, West Bengal, has been calibrated and the calibration value of filter gains and all other values has been checked and found well within the limit.

This calibration is valid till April 12, 2024

For Transasia Bio-Medicals Ltd.

*Suman Senapati
Service Engineer*





ESSJAY TECHNOMEASURE PVT. LTD.

(A House of Calibration Engineering & Allied Services)

Apartment No. : D1, 3rd Floor, 36, Kantapukur 3rd Bye Lane, Howrah - 711 101

Ph. : 033 2667 0835, 9674756761, 9674756767

website : www.technomeasurenabl.com, E-mail : technomeasure@gmail.com

DOC No. TMCAL/04



Calibration Certificate

ULR No: CC262823000012250F

Issued to
Medi Q Diagnostic Services,
607, Ho-Chi-Min Sarani, Kolkata- 700061.

Certificate No.: 2304239/M396/SK/07
Date: 14.04.2023

Calibration on 13.04.2023	Recommended due on. (as agreed with customer) 13.04.2024 *	Total No. of pages 1
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Location of Calibration : At Site

Date of Receipt : 13.04.2023

Description of instrument to be calibrated : Centrifuge
Make: Remi, Model: C-854/6, SL No: ZFJN-34580
Range : 3500 RPM

Identification of Instrument : MDS/CF-01

Basis of calibration : As per Work Instruction (WI-01) Sec No. QWI-66

Details of Major Equipment used for Calibration

Description	Traceability certificate No & Issue Date	Valid Up to	Calibration Agency
Digital Non-Contact Tachometer	QSI/1161/22/11 dated:03.11.2022	02.11.2023	Quality Solution

Traceability: Standards used for calibration are traceable to National Standards through NABL accredited laboratory

Environmental conditions of measurement : Temperature : 30 ± 2 °C. Humidity: 50 ± 10 % RH

Uncertainty of measurement at 95% CL (k=1.96) : $\pm 0.88\%$

Mechanical-RPM/Speed Calibration Calibration Results

SL. No.	Marked On *DUC (Position)	Results Observed On reference standard in rpm.(Avg. on 3 reading)
1	1	999.3
2	2	1424.1
3	3	1889.0
4	4	2378.2
5	5	2816.5

- Remarks : 1. The Instrument is visually checked & found ok. DUC*=Device Under Calibration .
2. This calibration certificate refers to the value observed at the time of and under the stated conditions measured
3. This certificate should not be produced other than a full with written approval from the head of the calibration laboratory
4. The above results relate only to the item calibration.

-----END OF CERTIFICATE-----

Bishal Gupta
Calibrated By
Bishal Gupta
(Calibration Engineer)



Asit Baran Paul
Authorised Signatory
Asit Baran Paul
(Technical Manager)

Branch Office : Guwahati • Jamshedpur • Coochbehar



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website: www.technomeasurenabl.com, E-mail: technomeasure@gmail.com

DOC No.: TM/CAL/04



Calibration Certificate

Issued to

Medi Q Diagnostic Services,
607, Ho-Chi-Min Sarani, Kolkata- 700061

ULR No: CC262823000012249F

Certificate No.: 2304239/M396/SK/06

Date: 14.04.2023

Date of Calibration	Recommended Due on (as agreed with customer)	Page No.:
13.04.2023	13.04.2024	1 of 1

Location of Calibration : At Lab
Date of Receipt : 11.04.2023
Description of instrument : Digital Thermometer for Refrigerator
Make : Aptechdeals
Range: (-)20 °C to 50 °C
L.C : 0.1 °C
Identification Number of Instrument : MDS/DT-01
Method Used : As per Work Instruction WI- 01
(Sec No.: QWI- 16, Rev. No.:2, Rev. Date: 30.12.2019 &
Sec No.: QW/TH/ANNEX-1 Rev No.:1, Rev Date: 26.12.2017

Details of Major Equipment used for Calibration

Description	Traceability Certificate No. & Issue Date	Valid upto	Calibration Agency
RTD	TL/022/820.1.1 Dated: 26.07.2022	25.07.2023	Tempens Calibration Center
Digital Multimeter	C&I/CAL/22-09/036 dated: 13.09.2022	07.09.2023	C & I Calibrations Pvt. Ltd

Traceability: Standards used for calibration are traceable to National Standards through NABL accredited laboratory

Customer's Specification : Not Provided by the Customer.
Environmental conditions of measurement : Temperature: 25±2°C Humidity: (30 to 75)% RH

Thermal Calibration Calibration Results

Sl. No.	Average observed reading in °C		Error in °C	Measurement Uncertainty at 95% C.L. (± in °C) (k=1.96)
	DUC*	Standard		
1	20.2	20.32	-0.12	0.35
2	30.2	30.38	-0.18	0.35
3	40.3	40.57	-0.27	0.35

- Remarks : 1. Instrument is visually checked and found ok. DUC = Device Under Calibration.
2. This calibration certificate refers to the value observed at the time of and under the stated condition measured.
3. This certificate should not be produced other than a full with written approval from the head of the calibration laboratory
4. The above results relate only to the item calibration.

END OF CERTIFICATE

Calibrated By
Oindrila Das Mukherjee
(Calibration Engineer)



Authorized Signatory
Asit Baran Paul
(Technical Manager)

Branch Office : Guwahati • Jamshedpur • Coochbehar



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DDG No. TMCAL/194



CC-2028

Calibration Certificate

Issued to

Modi Q Diagnostic Services,

607, Ho-Chi-Min Sarani, Kolkata- 700061

ULR No: CC262823D00012248F

Certificate No.: 2304239/M/96/SK/05

Date: 14.04.2023

Date of Calibration	Recommended Due on (As agreed with customer)	Page No.
13.04.2023	11.04.2024	1 of 1

Location of Calibration

At Lab

Date of Received

11.04.2023

Description of instrument

Digital Thermo Hygrometer

Make: HTC-2

Description of instrument

Range: (-)10 °C to 50 °C L.C.: 0.1°C
2 % to 99 % RH L.C.: 1 % RH

Identification Number of Instrument

MDS-DTH-02

Method Used

As per Work Instruction / WI-01, Sec No. QWI-75

Details of Major Equipment used for Calibration

Description	Traceability Certificate No. & Issue Date	Valid upto	Calibration Agency
RTD	FL/022/820.1.1 Issued: 26.07.2022	25.07.2023	Tempens Calibration Center
Digital Multimeter	C&I/CAL/22-09/036 dated: 13.09.2022	07.09.2023	C & I Calibrations Pvt. Ltd
Temperature Humidity Meter with Sensor	TSC/22-23-5341-6 dated 04.07.2022	04.07.2023	TransCal

Traceability Standards used for calibration are traceable to National Standards through NABL, accredited laboratory.

Customer's Specification

Not provided by the Customer

Environmental conditions of measurement

Temperature: 25±2°C

Humidity: 30 % to 75 % RH

Thermal Specific Heat Calibration

Humidity Calibration @ 25°C

Sl. No.	Standard Meter Reading in % RH	DUC Reading in % RH	Error in % RH	Measurement Uncertainty at 95% C.L. (k=1.96) in % RH
1	41.67	43	1.33	2.08
2	62.76	65	2.24	2.08
3	95.15	93	-2.85	2.08

Temperature Calibration

Sl. No.	Standard Meter Reading in °C	DUC Reading in °C	Error in °C	Measurement Uncertainty at 95% C.L. (k=1.96) in °C
1	25.79	25.7	-0.09	0.35
2	33.61	32.9	-0.71	0.35
3	42.19	41.3	-0.89	0.35

Remarks: 1. The instrument is visually checked and found ok. DUC*=Device Under Calibration

2. This calibration Certificate refers to the Value observed at the time of and under the stated condition measured.

3. This certificate should not be produced other than a full with written approval from the head of the calibration laboratory.

4. The above results relate only to the item calibration.

—END OF CERTIFICATE—



Calibrated By

Dindria Das Mukherjee
(Calibration Engineer)



Signature of Anil Baran Paul.

Authorized Signatory
Anil Baran Paul
(Technical Manager)



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website : www.technomeasurenabl.com, E-mail : technomeasure@gmail.com

DOC No: TMD/ALP



CC-2628

Calibration Certificate

Issued to

Medi Q Diagnostic Services
607, Ho-Chi-Min Sarani, Kolkata- 700061

ULR No: CC262823000012247F

Certificate No: 2304239/M396/SK/04

Date: 14.04.2023

Date of Calibration	Recommended Due on (As agreed with customer)	Page No.
13.04.2023	13.04.2024	inf 1

Location of Calibration

At Lab

Date of Received

11.04.2023

Description of instrument

Digital Thermo Hygrometer

Make: HTC-2

Description of instrument

Range: (-10 °C to 50 °C L.C.: 0.1°C

2% to 99 % RH L.C.: 1% RH

Identification Number of Instrument

MDS/DTH-01

Method Used

As per Work Instruction : WI-01, Sec No. QWI-75

Details of Major Equipment used for Calibration

Description	Traceability Certificate No. & Issue Date	Valid upto	Calibration Agency
RTD	TL/022/820 1.1 Dated 26.07.2022	25.07.2023	Tempens Calibration Center
Digital Multimeter	C&I/CAL/22-09/036 dated 13.09.2022	07.09.2023	C & I Calibrations Pvt. Ltd
Temperature Humidity Meter with Sensor	TSC/22-2365341-6 dated 04.07.2022	04.07.2023	TransCal

Traceability Standards used for calibration are traceable to National Standards through NABL accredited laboratory

Customer's Specification

Not provided by the Customer.

Environmental conditions of measurement

Temperature: 25±2°C

Humidity: 30% to 75% RH

Thermal/Specific Heat Calibration

Humidity Calibration @ 25°C

Sl.No.	Standard Meter Reading in % RH	DUC Reading in % RH	Error in % RH	Measurement Uncertainty at 95% C.L. (k=1.96) in % RH
1	41.78	43	1.22	2.08
2	62.84	65	2.16	2.08
3	90.13	93	2.87	2.08

Temperature Calibration

Sl.No.	Standard Meter Reading in °C	DUC Reading in °C	Error in °C	Measurement Uncertainty at 95% C.L. (k=1.96) in °C
1	25.75	25.1	-0.65	0.35
2	33.58	32.7	-0.88	0.35
3	42.11	41.2	-0.91	0.35

- Remarks: 1. The instrument is visually checked and found ok. DUC*=Device Under Calibration
2. This calibration Certificate refers to the Value observed at the time of and under the stated condition measured
3. This certificate should not be produced other than a full with written approval from the head of the calibration laboratory
4. The above results relate only to the item calibration.

-----END OF CERTIFICATE-----



Calibrated By
Oindrila Das Mukherjee
(Calibration Engineer)



Signature of Asit Baran Paul

Authorised Signatory
Asit Baran Paul
(Technical Manager)

Branch Office : Guwahati • Jamshedpur • Coochbehar



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website : www.technomeasurenabl.com, E-mail : technomeasure@gmail.com

DOC No. : TM/CALI/04



Calibration Certificate

Issued to
Medi Q Diagnostic Services,
607, Ho-Chi-Min Sarani, Kolkata- 700061

ULR No: CC262823000012251F
Certificate No.: 2304239/M396/SK/08
Date: 14.04.2023

Date of Calibration	Recommended Due On (as agreed with customer)	Page No. :
13.04.2023	13.04.2024	1 of 1

Location of Calibration : At Site

Date of Receipt : 13.04.2023

Description of instrument : Bacteriological Incubator (Thermostat Fitted)

Make: Stanlio
Range: Amb to 110 °C
L.C: 0.1 °C

Identification Number of Instrument : MDS/BI-01

Method of Calibration : As per Work Instruction (WI- 01, Sec No: QWI-26 & QWI-10Rev No.02, Rev Date;02.01.2014.)

Details of Major Equipment used for Calibration

Description	Traceability Certificate No. & Issue Date	Valid upto	Calibration Agency
RTD	ETM/INTER/CALI/RTD/23/01 Dated : 02.02.2023	01.02.2024	ETM
Digital Handy Calibrator	CC342122000000542F Dated : 17.12.2022	15.12.2023	Shiva Calibration Laboratory

Traceability: Standards used for calibration are traceable to National Standards through NABL accredited laboratory

Customer's Specification : Not Provided by the Customer.

Environmental conditions of measurement : Temperature: (25 ± 2)°C

Humidity: (30 to 75)% RH

Thermal Calibration :

Calibration Results

SL No.	Average observed reading in °C		Error in °C	Measurement Uncertainty at 95% C.L (± in °C) (k=1.96)
	DUC*	Standard		
1	40.0	40.25	-0.25	0.8
2	50.0	50.41	-0.41	0.8
3	90.0	90.62	-0.62	0.8

Note : For Non Medical Purpose Only.

Remarks : 1 The Instrument is visually checked & found ok. DUC*=Device Under Calibration

2. This calibration certificate refers to the value observed at the time of and under the stated conditions measured

3. This certificate should not be produced other than a full with written approval from the head of the calibration laboratory

4. The above results relate only to the item calibration.

-----END OF CERTIFICATE-----

Bishal Gupta
Calibrated By
Bishal Gupta
(Calibration Engineer)



Asit Baran Paul
Authorised Signatory
Asit Baran Paul
(Technical Manager)

Branch Office : Guwahati • Jamshedpur • Coochbehar



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website : www.technomeasurenabl.com, E-mail : technomeasure@gmail.com

DGC No. TMDAL104



Calibration Certificate

Issued To
Medi Q Diagnostic Services.
607, Ho-Chi-Min Sarani, Kolkata- 700061

ULR No: CC262823000012244F
Certificate No. : 2304239/M396/SK/01
Date : 14.04.2023

Date of Calibration	Recommended Due On (as agreed with customer)	Page No.
13.04.2023	13.04.2024	1 of 1

Location of Calibration : At Lab
 Date of Receipt : 11.04.2023
 Description of instrument : Micropipette
 Make : Thermo Scientific Range : 5 µl to 50 µl
 L/C : 0.1 µl
 Model/Type : Finnpiette F3 SL No. : NW03858
 Identification Number of Instrument : SL No: NW03858
 Method of Calibration : As per Work Instruction (WI- 01, Sec No: QWI- 51)
 Rev. No. 03, Rev Date: 26.12.2019
 Based on : IS 8655-6 and ISO/TR 20461

Details of Major Equipment used for Calibration :

Description	Traceability Certificate No. & Issue Date	Valid upto	Calibration Agency
Digital Balance	ETM/INTER/CALI/MV/01, Dated : 07.01.2023	06.01.2024	ETM

Traceability: Standards used for calibration are traceable to National Standards through NABL accredited laboratory


Customer's Specification : Not provided by the Customer.
 Environmental conditions : Temperature: 23±2°C Humidity : 50±10 % RH

Mechanical-Volume Calibration

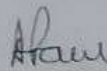
Sl. No.	Nominal Volume (in µl) at 27°C	Calibration Results	
		Result Observed on reference Standard in µl (Avg)at 27 °C	Uncertainty at 95% CL(k=1.96) (µl)
1	10	9.952	± 0.1
2	20	19.863	± 0.1
3	50	49.789	± 0.1

- Remarks : 1. The instrument is visually checked and found ok
 2. This calibration certificate refers to the value observed at the time of and under the stated conditions measured
 3. This certificate should not be produced other than a full with written approval from the head of the calibration laboratory
 4. The above results relate only to the item calibration.

-----END OF CERTIFICATE-----


 Calibrated By
Swadesh Paul
 (Calibration Engineer)




 Authorised Signatory
Asit Baran Paul
 (Technical Manager)

Branch Office : Guwahati • Jamshedpur • Coochbehar



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website : www.technomeasurenabi.com, E-mail : technomeasure@gmail.com

DOC No. TM/DAL/04



CC-2628

Calibration Certificate

Issued To

Medi Q Diagnostic Services.

607, Ho-Chi-Min Sarani, Kolkata- 700061

ULR No: CC262823000012246F

Certificate No. : 2304239/M396/SK/03

Date : 14.04.2023

Date of Calibration	Recommended Due On (as agreed with customer)	Page No.
13.04.2023	13.04.2024	1 of 1

Location of Calibration

: At Lab

Date of Receipt

: 11.04.2023

Description of instrument

: Micro Pipette

Make : Erba Mannheim Range : 100 µl to 1000 µl

L/C : 5 µl

Identification Number of Instrument

: SL No: NL483053

Method of Calibration

: As per Work Instruction (WI- 01, Sec No: QWI - 51)

Rev. No. 03, Rev Date: 26.12.2019

Based on : IS 8655-6 and ISO/TR 20461

Details of Major Equipment used for Calibration :

Description	Traceability Certificate No. & Issue Date	Valid upto	Calibration Agency
Digital Balance	ETM/INTER/CALI/MV/01, Dated : 07.01.2023	06.01.2024	ETM

Traceability: Standards used for calibration are traceable to National Standards through NABL accredited laboratory

Customer's Specification

: Not provided by the Customer.

Environmental conditions

: Temperature: 23±2°C Humidity : 50±10 % RH

Mechanical-Volume Calibration

Calibration Results			
Sl. No.	Nominal Volume (in µl) at 27°C	Result Observed on reference Standard in µl (Avg) at 27 °C	Uncertainty at 95% CL(k=1.96) (µl)
1	100	99.947	± 0.45
2	500	499.886	± 0.45
3	1000	999.771	± 0.45

Remarks : 1. The instrument is visually checked and found ok

2. This calibration certificate refers to the value observed at the time of and under the stated conditions measured

3. This certificate should not be produced other than a full with written approval from the head of the calibration laboratory

4. The above results relate only to the item calibration.

-----END OF CERTIFICATE-----

Calibrated By
Swadesh Paul
(Calibration Engineer)



Authorised Signatory
Asit Baran Paul
(Technical Manager)

Branch Office : Guwahati • Jamshedpur • Coochbehar



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DOG No. TM/CAL/04



Calibration Certificate

Issued To
Medi Q Diagnostic Services,
607, Ho-Chi-Min Sarani, Kolkata- 700061

ULR No: CC262823000012245F
Certificate No. : 2304239/M396/SK/02
Date : 14.04.2023

Date of Calibration	Recommended Due On (As agreed With Customer)	Page No.
13.04.2023	13.04.2024	1 of 1

Location of Calibration : At Lab
 Date of Receipt : 11.04.2023
 Description of instrument : Micro Pipette
 Make : Thermo Labystems Capacity : 500 µl
 Identification Number of Instrument : SL No: N39793
 Method of Calibration : As per Work Instruction (WI- 01, Sec No: QWI - 51)
 Rev. No. 03, Rev Date: 26.12.2019
 Based on : IS 8655-6 and ISO/TR 20461

Details of Major Equipment used for Calibration :

Description	Traceability Certificate No. & Issue Date	Valid upto	Calibration Agency
Digital Balance	ETM/INTER/CAL/MV/01, Dated : 07.01.2023	06.01.2024	ETM

Traceability: Standards used for calibration are traceable to National Standards through NABL accredited laboratory

Customer's Specification : Not provided by the Customer.
 Environmental conditions : Temperature: 23±2°C Humidity : 50±10% RH

Mechanical-Volume Calibration

Calibration Results			
Sl. No.	Nominal Volume (in µl) at 27°C	Result Observed on reference Standard in ml (Avg)at 27 °C	Uncertainty at 95% CL(k=1.96) (µl)
1	500	500.166	± 0.45

Remarks : 1. The Instrument is visually checked & found ok .DUC*=Device Under Calibration , Std. = Standard
 2. This calibration certificate refers to the value observed at the time of and under the stated conditions measured
 3. This certificate should not be produced other than a full with written approval from the head of the calibration laboratory
 4. The above results relate only to the item calibration.

-----END OF CERTIFICATE-----

Calibrated By
Swadesh Paul
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