



L-95, 5th Cross, 1st Main, Kirloskar Colony 3rd Stage,
Water Tank Road, Basaveshwaranagar, Bangalore-560079.
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www.sarvashree.com



Cert No. : CC-2291

NABL Accredited Calibration Services as per ISO/IEC 17025:2017
CALIBRATION CERTIFICATE

SSI/FF-20/v1

Page 1 of 2

1 Name and Address of Customer : M/s. Mediquest Healthcare.,
Mahim Complex, Pumpwell Old Road,
Near Cochin Bakery, Kankanady,
Mangalore 575002.

2 Customer Reference

2.1 SRF No : 6223
2.2 Certification No. : SS/22/6223-07
2.3 Date of Calibration : 27 June 2022
2.4 Next Calibration Due : 26 June 2023

Dated : 25 June 2022
ULR No. : CC2291220000007882F

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Variable Micropipette
3.2 Make : Thermo Scientific
3.3 SI.No : RW12196
3.4 No. of Pages : 2
3.5 Calibration Procedure No. : SOP-MECH-03
3.6 DUC Condition : Satisfactory
3.7 Calibration done at : Mech Lab. Sarvashree

Model : Finn pipette F3
ID No. : ----
Range : 100-1000 μ l
LC : 0.2 μ l

4 Environmental Condition

Temperature : 20 ± 1.5 °C Humidity : 40 to 60 %Rh

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No	Traceable Cert. No.	Validity
1	Electronic Balance	Radwag- AS82/220.R2	585650	TVCSPL 22/03/070-02	15-Mar-23

6 Note:

- 6.1. Measurement uncertainty reported is at approx 95% confidence level with coverage factor k=2.
6.2. Kindly refer to Note (s) section mentioned over leaf.

Calibrated By

Rakesh J.
(Calibration Engineer)



Authorised By

Noushad N
(Lab In-charge)

CAL CERT. NO.

SS/22/6223-07

ULR No. : CC2291220000007882F

Page No: 2 of 2

Range

: 100-1000 μ l

LC

: 0.2 μ l

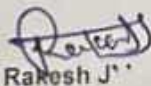
Sl. No.	Micropipette Set Volume in μ l	Standard Balance Reading in g	Actual Calculated Volume @ 27°C in μ l	Average Volume in μ l	Systematic Error, \pm in %	Random Error, in \pm in %
1	100	0.10005	100.348	100.297	0.30	0.08
2		0.10012	100.418			
3		0.09996	100.257			
4		0.09987	100.167			
5		0.09996	100.257			
6		0.10002	100.318			
7		0.09995	100.247			
8		0.09996	100.257			
9		0.09998	100.278			
10		0.10012	100.418			
11	500	0.50012	501.608	501.485	0.30	0.02
12		0.50010	501.588			
13		0.49998	501.468			
14		0.49992	501.408			
15		0.49985	501.338			
16		0.50012	501.608			
17		0.49993	501.418			
18		0.50015	501.638			
19		0.49986	501.348			
20		0.49994	501.428			
21	1000	0.99995	1002.926	1002.965	0.30	0.01
22		0.99992	1002.896			
23		1.00010	1003.076			
24		1.00013	1003.106			
25		0.99986	1002.835			
26		0.99995	1002.926			
27		1.00013	1003.106			
28		0.99982	1002.795			
29		1.00014	1003.116			
30		0.99989	1002.866			

Measurement Uncertainty : \pm 0.58 μ l

Conclusion / Remarks:

- 1 Measurement uncertainty is at confidence level 95% which corresponds to a coverage factor of k=2
- 2 Calibration is performed as per ISO 8655 - 6 : 2002 (E)
- 3 Gravimetric Method is adopted for calibration

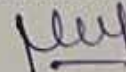
Calibrated By


Rakesh J

(Calibration Engineer)



Authorised By



Noushad N

(Lab In-charge)



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CALIBRATION CERTIFICATE

SS/ FF-20/ v1

Page 1 of 2

1 Name and Address of Customer : M/s. Mediquest Healthcare.,
Mahim Complex, Pumpwell Old Road,
Near Cochin Bakery, Kankanady,
Mangalore 575002.

2 Customer Reference

2.1 SRF No : 6223
2.2 Certification No. : SS/22/6223-04
2.3 Date of Calibration : 27 June 2022
2.4 Next Calibration Due : 26 June 2023

Dated : 25 June 2022
ULR No. : CC229122000007879F

3 Details Of Device Under Calibration(DUC)

3.1 Nomenclature : Variable Micropipette
3.2 Make : Thermo Scientific Model : Finn pipette F3
3.3 SI.No : QW14684 ID. No. : ---
3.4 No. of Pages : 2 Range : 5-50 µl
3.5 Calibration Procedure No. : SOP-MECH-03 LC 0.1 µl
3.6 DUC Condition : Satisfactory
3.7 Calibration done at : Mech Lab, Sarvashree

4 Environmental Condition

Temperature 20 ± 1.5 °C Humidity 40 to 60 %Rh

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No	Traceable Cert. No.	Validity
1	Electronic Balance	Radwag- AS82/220 R2	585650	TVCSPL 22/03/070-02	15-Mar-23

6 Note:

- 6.1. Measurement uncertainty reported is at approx 95% confidence level with coverage factor K=2
- 6.2. Kindly refer to Note (s) section mentioned over leaf.

Calibrated By

Rakesh J

(Calibration Engineer)



Authorised By

Noushad N

(Lab In-Charge)

CAL CERT. NO.

SS/22/6223-04

ULR No. : CC229122000007879F

Page No: 2 of 2

Range : 5-50 μ l

LC : 1 μ l

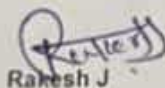
Sl. No.	Micropipette Set Volume in μ l	Standard Balance Reading in g	Actual Calculated Volume @ 27°C in μ l	Average Volume in μ l	Systematic Error, \pm in %	Random Error, in \pm in %
1	5	0.004985	5.0001	5.0143	0.29	0.18
2		0.004997	5.0121			
3		0.004990	5.0051			
4		0.005012	5.0272			
5		0.005006	5.0212			
6		0.004996	5.0111			
7		0.004993	5.0081			
8		0.005010	5.0252			
9		0.005008	5.0232			
10		0.004995	5.0101			
11	25	0.025010	25.0857	25.0780	0.31	0.08
12		0.024990	25.0656			
13		0.024989	25.0646			
14		0.025013	25.0887			
15		0.025024	25.0997			
16		0.024965	25.0406			
17		0.024979	25.0546			
18		0.025013	25.0887			
19		0.025014	25.0897			
20		0.025026	25.1017			
21	50	0.049996	50.1473	50.1385	0.28	0.03
22		0.049990	50.1413			
23		0.049974	50.1253			
24		0.049989	50.1403			
25		0.050030	50.1814			
26		0.049986	50.1373			
27		0.049975	50.1263			
28		0.049972	50.1233			
29		0.049979	50.1303			
30		0.049981	50.1323			

Measurement Uncertainty : \pm 0.13 μ l

Conclusion / Remarks:

- 1 Measurement uncertainty is at confidence level 95% which corresponds to a coverage factor of k=2
- 2 Calibration is performed as per ISO 8655 - 6 : 2002 (E)
- 3 Gravimetric Method is adopted for calibration

Calibrated By

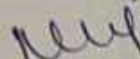


Rakesh J

(Calibration Engineer)



Authorised By



Noushad N

(Lab In-Charge)



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CALIBRATION CERTIFICATE

SS/FF-20/v1

Page 1 of 2

1 Name and Address of Customer : M/s. Mediquest Healthcare.,
Mahim Complex, Pumpwell Old Road,
Near Cochin Bakery, Kankanady,
Mangalore 575002.

2 Customer Reference

2.1 SRF No : 6223 Dated : 25 June 2022
2.2 Certification No. : SS/22/6223-05 ULR No. : CC229122000007880F
2.3 Date of Calibration : 27 June 2022
2.4 Next Calibration Due : 26 June 2023

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Variable Micropipette Model : Finnpiquette F3
3.2 Make : Thermo Scientific Id No : ---
3.3 SI No : RW11433 Range : 20-200 μ l
3.4 No. of Pages : 2 LC : 0.1 μ l
3.5 Calibration Procedure No. : SOP-MECH-03
3.6 DUC Condition : Satisfactory
3.7 Calibration done at : Mech Lab, Sarvashree

4 Environmental Condition

Temperature 20 ± 1.5 °C Humidity 40 to 60 %Rh

5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No	Traceable Cert. No.	Validity
1	Electronic Balance	Radwag- AS82/220.R2	585650	TVCSPL 22/03/070-02	15-Mar-23

6 Note:

- 6.1. Measurement uncertainty reported is at approx 95% confidence level with coverage factor k=2.
6.2. Kindly refer to Note (s) section mentioned over leaf.

Calibrated By

Rakesh J
(Calibration Engineer)



Authorised By

Notshad N
(Lab In-charge)

CAL CERT. NO.

SS/22/6223-05

ULR No. : CC229122000007880F

Page No: 2 of 2

Range : 20-200 μ l
LC : 0.1 μ l

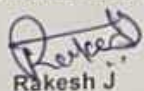
Sl. No.	Micropipette Set Volume in μ l	Standard Balance Reading in g	Actual Calculated Volume @ 27°C in μ l	Average Volume in μ l	Systematic Error, \pm in %	Random Error, in \pm in %
1	20	0.02002	20.081	20.080	0.40	0.31
2		0.02010	20.161			
3		0.02000	20.056			
4		0.01992	19.980			
4		0.02008	20.141			
4		0.01994	20.000			
4		0.02006	20.121			
4		0.01996	20.020			
4		0.02005	20.111			
5		0.02007	20.131			
6	100	0.10012	100.423	100.375	0.38	0.12
7		0.09995	100.253			
8		0.09996	100.263			
9		0.10010	100.403			
10		0.10023	100.534			
16		0.09996	100.263			
17		0.09997	100.273			
18		0.10011	100.413			
19		0.09997	100.273			
20		0.10006	100.363			
11	200	0.19994	200.546	200.635	0.32	0.05
12		0.20012	200.726			
13		0.20010	200.706			
14		0.20016	200.766			
14		0.19996	200.566			
14		0.20008	200.686			
14		0.19988	200.485			
14		0.19994	200.546			
14		0.20008	200.686			
15		0.20008	200.686			

Measurement Uncertainty : \pm 0.58 μ l

Conclusion / Remarks:

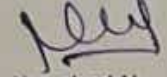
- 1 Measurement uncertainty is at confidence level 95% which corresponds to a coverage factor of k=2.
- 2 Calibration is performed as per ISO 8655 - 6 : 2002 (E)
- 3 Gravimetric Method is adopted for calibration

Calibrated By


Rakesh J
(Calibration Engineer)



Authorised By


Noushad N
(Lab In-charge)

1 Name and Address of Customer : M/s. Mediquest Healthcare.,
Mahim Complex, Pumpwell Old Road,
Near Cochin Bakery, Kankanady,
Mangalore 575002.

2 Customer Reference

2.1 SRF No : 6223
2.2 Certification No. : SS/22/6223-06
2.3 Date of Calibration : 27 June 2022
2.4 Next Calibration Due : 26 June 2023

Dated : 25 June 2022
ULR No. : CC2291220000007881F

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature : Variable Micropipette
3.2 Make : Thermo Scientific
3.3 SI.No : RW12180
3.4 No. of Pages : 2
3.5 Calibration Procedure No. : SOP-MECH-03
3.6 DUC Condition : Satisfactory
3.7 Calibration done at : Mech Lab, Sarvashree

Model : Finnpiquette F3
ID No. : ----
Range : 100-1000 µl
LC: 0.2 µl

4 Environmental Condition

Temperature : 20 ± 1.5 °C Humidity : 40 to 60 %Rh

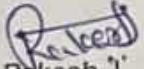
5 Standards Used for calibration

Sl. No.	Nomenclature	Make & Model	Sl. No	Traceable Cert. No.	Validity
1	Electronic Balance	Radwag- AS82/220.R2	585650	TVCSPL 22/03/070-02	15-Mar-23

6 Note:

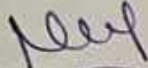
- 6.1. Measurement uncertainty reported is at approx 95% confidence level with coverage factor k=2.
6.2. Kindly refer to Note (s) section mentioned over leaf.

Calibrated By


Rakesh J
(Calibration Engineer)



Authorised By


Noushad N
(Lab In-charge)

CAL CERT. NO. SS/22/6223-06 ULR No. : CC229122000007881F Page No: 2 of 2

Range : 100-1000 μ l

LC : 0.2 μ l

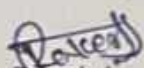
Sl. No.	Micropipette Set Volume in μ l	Standard Balance Reading in g	Actual Calculated Volume @ 27°C in μ l	Average Volume in μ l	Systematic Error, \pm in %	Random Error, in \pm in %
1	100	0.10010	100.398	100.330	0.33	0.10
2		0.09996	100.257			
3		0.09997	100.268			
4		0.10012	100.418			
5		0.09991	100.207			
6		0.09994	100.237			
7		0.10010	100.398			
8		0.10021	100.508			
9		0.09994	100.237			
10		0.10007	100.368			
11	500	0.50015	501.638	501.521	0.30	0.02
12		0.50008	501.568			
13		0.49996	501.448			
14		0.50014	501.628			
15		0.49997	501.458			
16		0.50015	501.638			
17		0.49993	501.418			
18		0.49986	501.348			
19		0.50012	501.608			
20		0.49997	501.458			
21	1000	1.00010	1003.076	1003.000	0.30	0.01
22		1.00012	1003.096			
23		1.00011	1003.086			
24		0.99996	1002.936			
25		0.99998	1002.956			
26		1.00013	1003.106			
27		1.00005	1003.026			
28		0.99992	1002.896			
29		0.99994	1002.916			
30		0.99993	1002.906			

Measurement Uncertainty : \pm 0.58 μ l

Conclusion / Remarks:

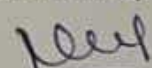
- 1 Measurement uncertainty is at confidence level 95% which corresponds to a coverage factor of k=2
- 2 Calibration is performed as per ISO 8655 - 6 : 2002 (E)
- 3 Gravimetric Method is adopted for calibration

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