



Form Title	Micropipette calibration or Performance Check	Annexure I
Relevant SOP No.:	BA032-00	Page No.: 1 of 2

Pipette ID:	BA1MP1013	Sr. No.:	20L80011
Calibration Date:	25 Jan 2023	Calibration / Performance Check	BA1DTH1025 <i>Ch. Dykes</i> 25 Jan 2023
Balance ID:	BA1SM81009	Thermometer ID:	BA1DTH1025
Water Batch No.:	A225056	Temperature:	20.7 °C
		Density (D):	0.998056 gm/mL

Density of water at above mentioned temperature (g/mL):						0.998056
Set Nominal Volume (µL)		20		100		200
Sr. No.	Weight (mg)	Calculated Volume (µL)	Weight (mg)	Calculated Volume (µL)	Weight (mg)	Calculated Volume (µL)
Weighing 1	20.22	20.259	98.47	98.662	196.28	196.662
Weighing 2	20.27	20.309	98.05	98.241	196.05	196.432
Weighing 3	20.19	20.229	98.15	98.341	196.28	196.662
Weighing 4	20.32	20.360	98.03	98.221	196.64	197.023
Weighing 5	20.22	20.259	98.21	98.401	196.34	196.722
Weighing 6	20.33	20.370	98.21	98.401	196.61	196.993
<b>Mean</b>		20.2978		98.3779		196.7491
<b>S.D</b>		0.05788		0.15901		0.22401
<b>Precision (%CV)</b>		0.29		0.16		0.11
<b>% Accuracy</b>		101.49		98.38		98.37


Acceptance Criteria : % Accuracy  $\pm$  2.0 and Precision (% CV)  $\leq$  2.0      Results: Calibration/Performance check is Acceptable / Not Acceptable.

Next calibration Due Date : ~~26 Mar 2023~~ *Ch. Dykes* 25 Jan 2023      26 Apr 2023

Remarks : -

Done by & Date: *Ch. Dykes* 25 Jan 2023      Checked by & Date: *QW* 25 Jan 2023

BA032-00/F1 *R*  
 26 Jan 2023  
**QA ISSUED**

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Weighing slip

----- Statistics -----  
 Date 25.Jan.2023  
 Time 08:52:20  
 Balance type XA 4Y  
 Balance S/N 732839  
 INST ID  
 Net 0.00 mg  
 Net 20.22 mg  
 Net 20.27 mg  
 Net 20.19 mg  
 Net 20.32 mg  
 Net 20.22 mg  
 Net 20.33 mg  
 Date 25.Jan.2023  
 Time 08:58:44

Signature

*Ch. Ajitha*  
25 Jan 2023

*Ch. Ajitha*  
25 Jan 2023

----- Statistics -----  
 Date 25.Jan.2023  
 Time 08:58:58  
 Balance type XA 4Y  
 Balance S/N 732839  
 INST ID  
 Net 0.00 mg  
 Net 98.47 mg  
 Net 98.05 mg  
 Net 98.15 mg  
 Net 98.03 mg  
 Net 98.21 mg  
 Net 98.21 mg  
 Date 25.Jan.2023  
 Time 09:04:39

Signature

*Ch. Ajitha*  
25 Jan 2023


*Ch. Ajitha*  
25 Jan 2023

----- Statistics -----  
 Date 25.Jan.2023  
 Time 09:05:51  
 Balance type XA 4Y  
 Balance S/N 732839  
 INST ID  
 Net 0.00 mg  
 Net 196.28 mg  
 Net 196.05 mg  
 Net 196.28 mg  
 Net 196.64 mg  
 Net 196.34 mg  
 Net 196.61 mg  
 Date 25.Jan.2023  
 Time 09:12:00

Signature

*Ch. Ajitha*  
25 Jan 2023

*Ch. Ajitha*  
25 Jan 2023

	Form Title	Preventative Maintenance of Micropipette	Annexure IV
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Instrument ID: BA1Mpl013	Date: 25 JAN 2023
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Preventive maintenance details:

Dismantled all the parts and cleaned with a solution 50:00 v. IPA in water followed by water.

Rinsed the parts of pipettes with HPLC water and wiped. The parts dried completely and then reassembled tightly lubricated the piston of the pipettes for easy movement of piston.

Performed By: *Ch. Ajith*  
25 JAN 2023

Calibration required: Yes/No  Yes

Authorized by- Head-BA: *SPM*  
25 JAN 2023

Calibration details if performed:

Calibration performed as per SOP. At 200uL, 100uL, 200uL.

Calibration Done by: *Ch. Ajith*  
25 JAN 2023

Checked by: *SPM*  
25 JAN 2023