



Form Title: Micropipette calibration or Performance Check  
 Relevant SOP No.: BA032-00

Annexure I

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Pipette ID: BA1MP1616 Sr. No.: 19L77931  
 Calibration Date: 25 Jan 2023 Calibration / Performance Check  
 Balance ID: BA1SMB1029 Thermometer ID: BA1DTH1025  
 Water Batch No.: A22J056 Temperature: 20.1 °C Density (D): 0.998056 gm/mL

Density of water at above mentioned temperature (g/mL): 0.998056						
Set Nominal Volume (µL)	2		10		20	
Sr. No.	Weight (mg)	Calculated Volume (µL)	Weight (mg)	Calculated Volume (µL)	Weight (mg)	Calculated Volume (µL)
Weighing 1	2.00	2.004	9.99	10.009	20.00	20.039
Weighing 2	1.97	1.974	9.96	9.979	19.87	19.909
Weighing 3	2.00	2.004	9.96	9.979	19.80	19.839
Weighing 4	2.00	2.004	9.97	9.989	19.78	19.819
Weighing 5	1.97	1.974	9.94	9.959	19.92	19.959
Weighing 6	2.00	2.004	9.93	9.949	19.97	20.009
Mean		1.9939		9.9777		19.9287
S.D		0.01552		0.02141		0.08962
Precision (%CV)		0.78		0.21		0.45
% Accuracy		99.69		99.78		99.64

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 *CA. D. D. D.* 25 Jan 2023 26 Apr 2023


Remarks : —

Done by & Date: *CA. D. D. D.* 25 Jan 2023

Checked by & Date: *SPM* 25 Jan 2023

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Weighing slip

----- Statistics -----  
Date 25.Jan.2023  
Time 10:08:28  
Balance type XA 4Y  
Balance S/N 732839  
INST ID  
Net 0.00 mg  
Net 2.00 mg  
Net 1.97 mg  
Net 2.00 mg  
Net 2.00 mg  
Net 1.97 mg  
Date 25.Jan.2023  
Time 10:34:05

Signature

*Ch. Ajith*  
25 Jan 2023

*Ch. Ajith*  
25 Jan 2023

-----  
Net 2.00 mg  
Date 25.Jan.2023  
Time 10:34:53

Signature

*Ch. Ajith*  
25 Jan 2023

----- Statistics -----  
Date 25.Jan.2023  
Time 10:35:58  
Balance type XA 4Y  
Balance S/N 732839  
INST ID  
Net 0.00 mg  
Net 9.99 mg  
Net 9.96 mg  
Net 9.96 mg  
Net 9.97 mg  
Net 9.94 mg  
Net 9.93 mg  
Date 25.Jan.2023  
Time 10:38:45

Signature

*Ch. Ajith*  
25 Jan 2023


*Ch. Ajith*  
25 Jan 2023

----- Statistics -----  
Date 25.Jan.2023  
Time 10:40:33  
Balance type XA 4Y  
Balance S/N 732839  
INST ID  
Net 0.00 mg  
Net 20.00 mg  
Net 19.87 mg  
Net 19.80 mg  
Net 19.78 mg  
Net 19.92 mg  
Net 19.97 mg  
Date 25.Jan.2023  
Time 10:47:04

Signature

*Ch. Ajith*  
25 Jan 2023

*Ch. Ajith*  
25 Jan 2023

	Form Title	Preventative Maintenance of Micropipette	Annexure IV
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Instrument ID: BA1MP1016	Date: 25 Jan 2023
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Preventive maintenance details:

Dismantled all the parts and cleaned with a solution 50:00:50 IPA in water followed by water.  
 Rinsed the parts of pipette with HPLC water and wiped. The parts dried completely and then reassembled. Lightly lubricated the piston of the pipette for easy movement of piston.

Performed By: Ch. Anitha  
25 Jan 2023

Calibration required: Yes/No

Authorized by- Head-BA:

SPM  
25 Jan 2023

Calibration details if performed:

Calibration performed as per sop. At 2uL,  
10uL, 20uL.

Calibration Done by:

Ch. Anitha  
25 Jan 2023

Checked by:

SPM  
25 Jan 2023