



CALIBRATION REPORT

Details of the Unit Under Calibration:

Calibration Certificate No: SBS/CL/21-22/02437

Page: 1 of 2

Customer Name:	ARROW DIAGNOSTICS	Customer Address:	NO: 134, GNT ROAD, REDHILLS, CHENNAI-600052.
Location:	DIAGNOSTICS	SRF No:	SBS/SRF/21-22/0079-004
Description:	MICRO PIPETTE	SRF Date:	26-04-2021
Make:	DRAGON LAB	Receipt Date:	26-04-2021
Model:	NA	Date Of calibration:	26-04-2021
Serial No:	YE174AB0061381	Date Of Due:	25-04-2022
Asset No:	NA	Issue Date:	29-04-2021
Range:	5-50 μ L		VARIABLE

Traceability Details:

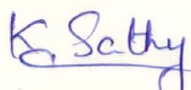
S.No	Standard Used	Make	Model	Cer.No	Validity
1	Electronic Weighing Balance	A&D	GH-252	ECT 2020/0914-01	14-Dec-2022

Environmental Conditions and Standard Operating Procedure Details:

Temperature	24°C	Calibration Done At	LAB
Humidity (40-70% RH)	55%	Calibration Procedure No	SBS-MBV-03

REMARKS:

Calibration Report : Attached

Calibrated by: 
K. SATHIYAMOORTHY
(Calibration Engineer)

Authorized Signatory:

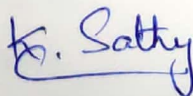


REPORT				
S.No	Units	Nominal Values	Measured Values	Tolerance
1	μL	10	10.0	0.5%
2	μL	15	15.0	0.5%
3	μL	20	19.9	0.5%
4	μL	30	29.8	0.5%
5	μL	45	44.8	0.5%

CALIBRATION RESULT:

- Corrective maintenance required
- Removed from use
- Acceptable for use

Calibration Engineer Sign:



Date: 26-04-2021

CALIBRATION REPORT

Details of the Unit Under Calibration:

Calibration Certificate No: SBS/CL/21-22/02436

Page: 1 of 2

Customer Name:	ARROW DIAGNOSTICS	Customer Address:	NO: 134, GNT ROAD, REDHILLS, CHENNAI-600052.
Location:	DIAGNOSTICS	SRF No:	SBS/SRF/21-22/0079-003
Description:	MICRO PIPETTE	SRF Date:	26-04-2021
Make:	DRAGON LAB	Receipt Date:	26-04-2021
Model:	NA	Date Of calibration:	26-04-2021
Serial No:	YE189AL0137449	Date Of Due:	25-04-2022
Asset No:	NA	Issue Date:	29-04-2021
Range:	1000 μ L		FIXED

Traceability Details:

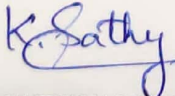
S.No	Standard Used	Make	Model	Cer.No	Validity
1	Electronic Weighing Balance	A&D	GH-252	ECT 2020/0914-01	14-Dec-2022

Environmental Conditions and Standard Operating Procedure Details:

Temperature	24°C	Calibration Done At	LAB
Humidity (40-70% RH)	55%	Calibration Procedure No	SBS-MBV-03

REMARKS:

Calibration Report : Attached

Calibrated by: 
K. SATHIYAMOORTHY
 (Calibration Engineer)

Authorized Signatory: 
C. SHANMUGARAJ
 (Technical Manager)

Result of Calibration:

REPORT				
S.No	Units	Nominal Values	Measured Values	Tolerance
1	μL	1000	1000.7	0.5%



CALIBRATION RESULT:

- Corrective maintenance required
- Removed from use
- Acceptable for use

Calibration Engineer Sign:

K. Sathy

Date: 26-04-2021

CALIBRATION REPORT

Details of the Unit Under Calibration:

Calibration Certificate No: SBS/CL/21-22/02442

Page: 1 of 2

Customer Name:	ARROW DIAGNOSTICS	Customer Address:	NO: 134, GNT ROAD, REDHILLS, CHENNAI-600052.		
Location:	DIAGNOSTICS	SRF No:	SBS/SRF/21-22/0079-009		
Description:	INCUBATOR	SRF Date:	26-04-2021		
Make:	AUSCO	Receipt Date:	26-04-2021		
Model:	BACTERIOLOGICAL INCUBATOR	Date Of calibration:	26-04-2021		
Serial No:	NA	Date Of Due:	25-04-2022		
Asset No:	NA	Issue Date:	29-04-2021		

Traceability Details:

S.No	Standard Used	Make	Model	Serial No	Validity
1	Electrical Safety Analyzer	Fluke	ESA615	2244202	26-Jun-2021
2	Digital Thermo Meter	Metravi	305 XL	08000904	02-Jan-2022

Environmental Conditions and Standard Operating Procedure Details:

Temperature	24°C	Calibration Done At	ONSITE
Humidity (40-70% RH)	55%	Calibration Procedure No	SBS-MD-18

REMARKS:

The above mentioned instruments has been calibrated using standard manufacturer recommended protocols, using equipments having traceability to National/International Standards. Partial reproduction of the certificates is not permitted.

Calibrated by:



K. SATHIYAMOORTHY

(Calibration Engineer)

Authorized Signatory:



Result of Calibration:

Quantitative Tasks			
Description	Set Value (°C)	Measured Value(°C)	Limit/ Tolerance
Temperature	30°C	30.1	±0.6
Temperature	80°C	80.3	±0.6
Temperature	110°C	110.2	±0.6

Electrical Safety Test		
Parameters Used	Measured in Test Gadget	Limits
Voltage N-E	2.9V	<3V
Voltage P-N	229.3V	<230V
Voltage P-E	229.6V	<230V
Maximum Current Taken by the DUT	0.2	As per Manufacture specification
Earth Leakage Current NC	125µA	<5000µAfor B,BF,CF
Earth Leakage Current SFC	223µA	<10000µAfor B,BF,CF
Enclosure Leakage Current NC	5.2µA	<100µAfor B,BF,CF
Enclosure Leakage Current SFC	5.4µA	<500µAfor B,BF,CF
Patient Leakage Current NC	5.5µA	<100µAfor B,BF,<10µAfor CF
Patient Leakage Current SFC	5.6µA	<500µAfor B,BF,<50µAfor CF
Insulation Resistance M-P.E	>100MΩ	>2MΩ and above
Insulation Resistance M-A.P	>100MΩ	>2MΩ and above
Insulation Resistance A.P-P.E	>100MΩ	>2MΩ and above

CALIBRATION RESULT:

- Corrective maintenance required
- Removed from use
- Acceptable for use

Calibration Engineer Sign:

K. Sathy

Date:26-04-2021

CALIBRATION CERTIFICATE

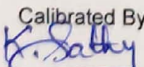
CERTIFICATE NO: SBS/CL/21-22/02434		DISCIPLINE	MECHANICAL	
Issue Date	29-04-2021			
SRF No & Date	0079-001 & 26-04-2021			
Receipt Date	26-04-2021			
Calibration Date	26-04-2021			
Calibration Due	25-04-2022			
Customer Name & Address				
ARROW DIAGNOSTICS, NO:134, GNT ROAD, REDHILLS, CHENNAI-600052.				
Details of Device Under Calibration (DUC)				
Description	: CENTRIFUGE	Make & Model	: REMI & R-302	
Range	: 3500RPM	Sr. No	: AKLC-59	
Least Count	: 1RPM	Asset No	: NA	
DUC Condition	: Satisfactory	Location	: DIAGNOSTICS	
Environmental Conditions & Standard Operating Procedure Details				
Environmental Details	Temperature: 25.2° C	Relative Humidity	52% Rh	
Calibration Procedure No	SBS-MP-04	Calibration done at	ONSITE	
Reference Standards Details				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	Digital Tachometer	LUTRON/Q638380	S00378-01/20-21	04-10-2021

CALIBRATION RESULTS

S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
	RPM	RPM	RPM	RPM
1	100	100.6	0.6	2.38
2	200	202	2.0	2.14
3	500	502	2.0	2.57
4	1000	1002	2.0	4.01
5	2000	2002	2.0	6.74
6	3500	3502	2.0	11.38

REMARKS

- 1.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 2.The user should determine the suitability of the instrument for its intended use.
- 3.The recalibration interval should be determined on the user requirement.
- 4.The results stated in this certificate relate only to the item calibrated.
- 5.Any correction / Modification in this calibration report kindly inform with in 30 days.
- 6.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .

Calibrated By

(Calibration Engineer)



Authorised Signatory




(Technical Manager)



(Chief Executive)

CALIBRATION CERTIFICATE

CERTIFICATE NO: SBS/CL/21-22/02441		DISCIPLINE	THERMAL	
Issue Date	29-04-2021			
SRF No & Date	0079-008 & 26-04-2021			
Receipt Date	26-04-2021			
Calibration Date	26-04-2021			
Calibration Due	25-04-2022			
Customer Name & Address				
ARROW DIAGNOSTICS NO: 134, GNT ROAD, REDHILLS, CHENNAI-600052.				
Details of Device Under Calibration (DUC)				
Description	: REFRIGERATOR	Make & Model	: WHIRLPOOL& DC2055S	
Range	: 2 to 8°C	Sr No	: NA	
Least Count	: 1°C	Asset No	: NA	
DUC Condition	: Satisfactory	Location	: DIAGNOSTICS	
Environmental Conditions & Calibration Procedure Details				
Environmental Details	Temperature: 25.1° C	Relative Humidity	51% Rh	
Calibration Procedure No	SBS-TH-04	Calibration done at	ONSITE	
Reference Standards Details				
S.No	Description	Make/ SI No:	Certificate No	Validity
1	4 Wire RTD Sensor	Tempsen Devices / TD27405	HT/CC/200720-04/001	06.07.2021
2	Digital mutimeter	GW Instek / GES 817082	HT/CC/200707-11/003	

CALIBRATION RESULTS

S.No.	DEVICE UNDER CALIBRATION READINGS	STANDARD INSTRUMENTS READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)
	°C	°C	°C	°C
1	2	2.04	-0.04	0.70
2	4	4.03	-0.03	0.71
3	6	6.04	-0.04	0.71
4	7	7.02	-0.02	0.71
5	8	8.02	-0.02	0.71

REMARKS

- 1.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 2.The user should determine the suitability of the instrument for its intended use.
- 3.The recalibration interval should be determined on the user requirement.
- 4.The results stated in this certificate relate only to the item calibrated.
- 5.Any correction / Modification in this calibration report kindly inform with in 30 days.
- 6.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .

Calibrated By
K. Sathy
(Calibration Engineer)



[Signature]
Authorised Signatory

(Technical Manager)

(Chief Executive)



CALIBRATION REPORT

Details of the Unit Under Calibration:

Calibration Certificate No: **SBS/CL/21-22/02440**

Page: 1 of 2

Customer Name:	ARROW DIAGNOSTICS	Customer Address:	NO: 134, GNT ROAD, REDHILLS, CHENNAI-600052.
Location:	DIAGNOSTICS	SRF No:	SBS/SRF/21-22/0079-007
Description:	MICRO PIPETTE	SRF Date:	26-04-2021
Make:	ERBAPETTE	Receipt Date:	26-04-2021
Model:	NA	Date Of calibration:	26-04-2021
Serial No:	HR65683	Date Of Due:	25-04-2022
Asset No:	NA	Issue Date:	29-04-2021
Range:	0-1000 μ L		VARIABLE

Traceability Details:

S.No	Standard Used	Make	Model	Cer.No	Validity
1	Electronic Weighing Balance	A&D	GH-252	ECT 2020/0914-01	14-Dec-2022

Environmental Conditions and Standard Operating Procedure Details:

Temperature	24°C	Calibration Done At	LAB
Humidity (40-70% RH)	55%	Calibration Procedure No	SBS-MBV-03

REMARKS:

Calibration Report : Attached

Calibrated by:

K. SATHIYAMOORTHY

(Calibration Engineer)

Authorized Signatory:



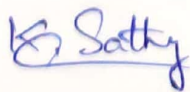
Result of Calibration:

REPORT				
S.No	Units	Nominal Values	Measured Values	Tolerance
1	μL	50	50.0	0.5%
2	μL	100	99.7	0.5%
3	μL	400	399.8	0.5%
4	μL	700	699.6	0.5%
5	μL	900	899.1	0.5%

CALIBRATION RESULT:

- Corrective maintenance required
- Removed from use
- Acceptable for use

Calibration Engineer Sign:

A handwritten signature in blue ink, appearing to read "Sathy".

Date: 26-04-2021



CALIBRATION REPORT

Details of the Unit Under Calibration:

Calibration Certificate No: SBS/CL/21-22/02439

Page: 1 of 2

Customer Name:	ARROW DIAGNOSTICS	Customer Address:	NO: 134, GNT ROAD, REDHILLS, CHENNAI-600052.
Location:	DIAGNOSTICS	SRF No:	SBS/SRF/21-22/0079-006
Description:	MICRO PIPETTE	SRF Date:	26-04-2021
Make:	DRAGON LAB	Receipt Date:	26-04-2021
Model:	NA	Date Of calibration:	26-04-2021
Serial No:	YE174AB0078404	Date Of Due:	25-04-2022
Asset No:	NA	Issue Date:	29-04-2021
Range:	100 μ L		FIXED

Traceability Details:

S.No	Standard Used	Make	Model	Cer.No	Validity
1	Electronic Weighing Balance	A&D	GH-252	ECT 2020/0914-01	14-Dec-2022

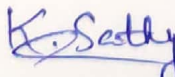
Environmental Conditions and Standard Operating Procedure Details:

Temperature	24°C	Calibration Done At	LAB
Humidity (40-70% RH)	55%	Calibration Procedure No	SBS-MBV-03

REMARKS:

Calibration Report : Attached

Calibrated by:


K. SATHIYAMOORTHY
(Calibration Engineer)

Authorized Signatory:


C. SHANMUGARAJ
(Technical Manager)



Result of Calibration:

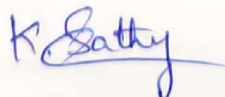
REPORT				
S.No	Units	Nominal Values	Measured Values	Tolerance
1	μL	100	99.5	0.5%



CALIBRATION RESULT:

- Corrective maintenance required
- Removed from use
- Acceptable for use

Calibration Engineer Sign:



Date: 26-04-2021

CALIBRATION REPORT

Details of the Unit Under Calibration:

Calibration Certificate No: SBS/CL/21-22/02438

Page: 1 of 2

Customer Name:	ARROW DIAGNOSTICS	Customer Address:	NO: 134, GNT ROAD, REDHILLS, CHENNAI-600052.
Location:	DIAGNOSTICS	SRF No:	SBS/SRF/21-22/0079-005
Description:	MICRO PIPETTE	SRF Date:	26-04-2021
Make:	DRAGON LAB	Receipt Date:	26-04-2021
Model:	NA	Date Of calibration:	26-04-2021
Serial No:	YE187AL0054933	Date Of Due:	25-04-2022
Asset No:	NA	Issue Date:	29-04-2021
Range:	50µL		FIXED

Traceability Details:

S.No	Standard Used	Make	Model	Cer.No	Validity
1	Electronic Weighing Balance	A&D	GH-252	ECT 2020/0914-01	14-Dec-2022

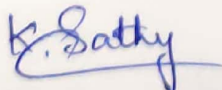
Environmental Conditions and Standard Operating Procedure Details:

Temperature	24°C	Calibration Done At	LAB
Humidity (40-70% RH)	55%	Calibration Procedure No	SBS-MBV-03

REMARKS:

Calibration Report : Attached

Calibrated by:


K. SATHIYAMOORTHY
 (Calibration Engineer)

Authorized Signatory:



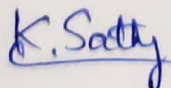
Result of Calibration:

REPORT				
S.No	Units	Nominal Values	Measured Values	Tolerance
1	μL	50	49.8	0.5%

CALIBRATION RESULT:

- Corrective maintenance required
 Removed from use
 Acceptable for use

Calibration Engineer Sign:



Date: 26-04-2021



CALIBRATION REPORT

Details of the Unit Under Calibration:

Calibration Certificate No: SBS/CL/21-22/02435

Page: 1 of 2

Customer Name:	ARROW DIAGNOSTICS	Customer Address:	NO: 134, GNT ROAD, REDHILLS, CHENNAI-600052.
Location:	DIAGNOSTICS	SRF No:	SBS/SRF/21-22/0079-002
Description:	MICRO PIPETTE	SRF Date:	26-04-2021
Make:	DRAGON LAB	Receipt Date:	26-04-2021
Model:	NA	Date Of calibration:	26-04-2021
Serial No:	YE174AB0058083	Date Of Due:	25-04-2022
Asset No:	NA	Issue Date:	29-04-2021
Range:	500µL		FIXED

Traceability Details:

S.No	Standard Used	Make	Model	Cer.No	Validity
1	Electronic Weighing Balance	A&D	GH-252	ECT 2020/0914-01	14-Dec-2022

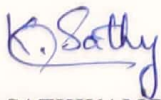
Environmental Conditions and Standard Operating Procedure Details:

Temperature	24°C	Calibration Done At	LAB
Humidity (40-70% RH)	55%	Calibration Procedure No	SBS-MBV-03

REMARKS:

Calibration Report : Attached

Calibrated by:


K. SATHIYAMOORTHY
(Calibration Engineer)

Authorized Signatory:



Result of Calibration:

REPORT				
S.No	Units	Nominal Values	Measured Values	Tolerance
1	μL	500	499.8	0.5%



CALIBRATION RESULT:

- Corrective maintenance required
- Removed from use
- Acceptable for use

Calibration Engineer Sign:

K. Sathy

Date: 26-04-2021