

Ace Medical Solutions (India) Pvt. Ltd.

An ISO 9001-2015 Certified Company

No : 3/751, 1st Cross Street, Surveyor Colony, K.Pudur, Madurai - 625 007.

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GSTIN. 33AAHCA8053H1ZR • DL No. MDU/4205/20B,MDU/3971/21B • CIN : U33110TN2009PTC072140

CALIBRATION CERTIFICATE

Customer Name & Address:	M/S. Race Diagnostics, 232/190, South Marret Street, Madurai - 625001	Certificate No:	AMS/LAB/2888465
		Issuing Date:	24/10/2020
		Page No:	1 of 2

Details of Device under Calibration (DUC):

DUC:	Incubator	Id. No:	RD/LAB/INC/001
Make:	Biotronics	Department:	Laboratory
Model:	Manual	Calibrated On:	23/10/2020
Sl. No:	---	Calibration Due Suggested:	22/10/2021
Type:	Rotary Manual	DUC Condition on Receipt:	OK
Range & Least Count:	0 - 120°C / LC 1°C		

Traceability Details:

Sl.No.	Test Equipment	Make	Certificate Number	Valid Up to
1	RTD Thermometer	Center / RTD 375	QC/AMS/DTI/002	22/02/2021
2	Thermo Hygrometer	HTC	QC/AMS-DTI-004	22/02/2021

Room Temperature: 25°C±2 Room Humidity: 30-60% (At the time of Calibration)

Test Results:

SL.No.	DUC Reading (°C)	Standard Reading (°C)	Correction (°C)
1	36.0	36.72	+0.72
2	37.0	37.80	+0.80

Allowable Tolerance: ±1 °C

Note:

1. Calibration Points were selected as per customer request.
2. Each reading were taken by Repeatability Test (i.e.) each reading in a row is a mean of 10 readings.
3. Results Reported are valid at the time of and under the stated conditions of measurements.

Calibrated By:

(Calibration Engineer)

B. S. S.



Approved by:
(Technical Manager)

B. S. S.

93455 56140, 93455 56148

ESA Results: Incubator I

Test Number	Test Standard	Test	Condition	Filter Selection	Reading Value	Reading Unit	Polarity	Neutral	Earth	Applied Parts
1	Earth Bonding	Earth Bond Voltage	Normal	AC+DC	0.1491	Ω	Normal	Closed	Closed	All
2	IEC60601	Leakage: Earth	Normal	AC+DC	121.07	μA	Normal	Closed	Closed	All
3		Leakage: Earth	Normal	AC+DC	113.50	μA	Reversed	Closed	Closed	All
4		Leakage: Enclosure	Normal	AC+DC	0.00	μA	Normal	Closed	Open	All
5		Leakage: Enclosure	Normal	AC+DC	0.00	μA	Reversed	Closed	Closed	All
6		Leakage: Earth	SFC	AC+DC	234.68	μA	Normal	Open	Closed	All
7		Leakage: Earth	SFC	AC+DC	224.50	μA	Reversed	Open	Closed	All
8		Leakage: Enclosure	SFC	AC+DC	122.54	μA	Normal	Closed	Open	All
9		Leakage: Enclosure	SFC	AC+DC	127.37	μA	Reversed	Closed	Open	All
10		Current	Normal	AC+DC	0.382	Amps	Normal	Closed	Closed	All
11		Frequency	Normal	AC+DC	49.9	Hz	Normal	Closed	Closed	All
12		Mains Voltage: Live to Neutral	Normal	AC+DC	231.2	V	Normal	Closed	Closed	All
13		Mains Voltage: Live to Earth	Normal	AC+DC	235.9	V	Normal	Closed	Closed	All
14		Mains Voltage: Neutral to Earth	Normal	AC+DC	4.2	V	Normal	Closed	Closed	All
15		IEC62353	Equipment Leakage	Direct Method	AC+DC	144.90	μA	Normal	Closed	Open
16	Equipment Leakage		Direct Method	AC+DC	144.59	μA	Reversed	Closed	Open	All
17	NFPA-99	Ground Leakage	Normal	AC+DC	123.17	μA	Normal	Closed	Closed	All
18		Ground Leakage	Normal	AC+DC	119.91	μA	Reversed	Closed	Closed	All
19		Ground Leakage	SFC	AC+DC	236.78	μA	Normal	Open	Closed	All
20		Ground Leakage	SFC	AC+DC	236.99	μA	Reversed	Open	Closed	All
21		Chassis Leakage	Normal	AC+DC	0.00	μA	Normal	Closed	Closed	All
22		Chassis Leakage	Normal	AC+DC	0.00	μA	Reversed	Closed	Closed	All
23		Chassis Leakage	SFC	AC+DC	125.27	μA	Normal	Closed	Open	All
24		Chassis Leakage	SFC	AC+DC	120.65	μA	Reversed	Closed	Open	All
25	IEC61010	Touch Leakage	Normal	AC+DC	0.00	μA	Normal	Closed	Closed	All
26		Touch Leakage	Normal	AC+DC	0.00	μA	Reversed	Closed	Closed	All
27		Touch Voltage	Normal	AC+DC	2.40	V	Normal	Closed	Closed	All
28		Touch Voltage	Normal	AC+DC	2.40	V	Reversed	Closed	Closed	All
29		Touch Leakage	SFC	AC+DC	116.61	μA	Normal	Closed	Open	All
30		Touch Leakage	SFC	AC+DC	115.82	μA	Reversed	Closed	Open	All
31		Touch Voltage	SFC	AC+DC	2.40	V	Normal	Closed	Open	All
32		Touch Voltage	SFC	AC+DC	2.40	V	Reversed	Closed	Open	All
33	Insulation Testing	Insulation Resistance	Normal	AC+DC	>20	MΩ	Normal	Closed	Closed	All
34	Point to Point Testing	Point to Point Earth Bond Test	Normal	AC+DC	>19.9	Ω	Normal	Closed	Closed	All
35		Point To Point Leakage Test	Normal	AC+DC	0	mA	Normal	Closed	Closed	All
36		Standard Insulation Test	Normal	AC+DC	>20	MΩ	Normal	Closed	Closed	All
Test Passed	Yes	Tested On	23.10.2020	Tested By	B. S. R. S. AMS MADURAI					