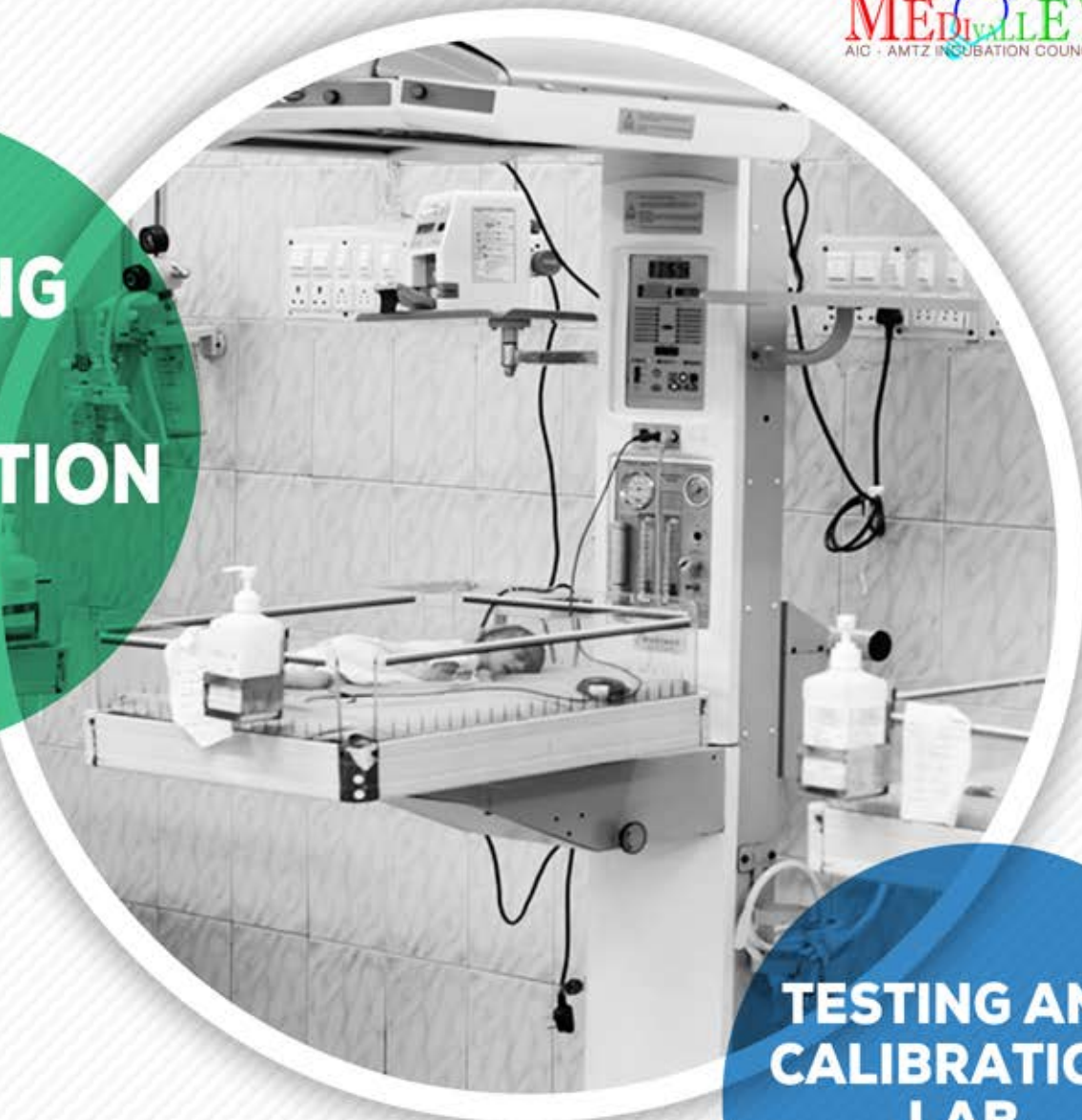


TESTING & CALIBRATION LAB



TESTING AND CALIBRATION LAB CAPABILITY

About :

Testing and calibration of medical devices plays a very vital role in hospital ecosystem, as it ensures safety, accuracy and effectiveness of the device. The testing and calibration facility at AIC – AMTZ Medi Valley Incubation Council is equipped with state-of-the-art biomedical calibrators on par with national & international standards to test and calibrate 20+ medical devices with the current capability.

S.No	Description	Applicable standards	Test Parameters
1.	Vital Signs Simulator Make/ Model: Rigel/ Uni-Sim	IEC 60601-2-25 IEC 60601-2-27 IEC 60601-2-34 IEC 60601-2-47	<ul style="list-style-type: none"> • ECG • SpO₂ • NIBP
2.	Electrical Safety Analyzer Make/ Model: Rigel/ 288+	IEC 60601-1 IEC 62353	<ul style="list-style-type: none"> • Earth bond test • Leakage current test • Insulation resistance Test
3.	Electrosurgical Analyzer Make/ Model: Rigel/ Uni-Therm	IEC 60601-2-2	<ul style="list-style-type: none"> • Output Power • REM Test
4.	Defibrillator Analyzer Make/ Model: Rigel/ Uni-Pulse	IEC 60601-2-4 IEC 60601-2-31	<ul style="list-style-type: none"> • Output Energy • Charge Time
5.	Incubator Analyzer Make/ Model: Fluke/ Incu II	IEC 60601-2-19 IEC 60601-2-20 IEC 60601-2-21	<ul style="list-style-type: none"> • Temperature • Sound Level • Humidity • Air Flow
6.	Gas Flow Analyzer with Vapor Make/ Model: Fluke/ VT900A	IEC 60601-2-12	<ul style="list-style-type: none"> • All Ventilator Parameter • Vapor
7.	Infusion Device Analyzer Make/ Model: Fluke/ IDA5/2	IEC 60601-2-24	<ul style="list-style-type: none"> • Flow • Volume • Occlusion





Electrical Safety Analyzer



Vital Signs Simulator



Electrosurgical Analyzer



Incubator Analyzer



Defibrillator Analyzer



Gas Flow Analyzer



Infusion Device Analyzer



S.No	Description	Parameters	Charges
1.	Patient Monitor	EST, ECG, NIBP, SpO ₂	500
2.	ECG Machine	EST, ECG	250
3.	Pulse Oximeter	EST, SpO ₂	150
4.	BP monitor and BP apparatus	Pressure	150
5.	Defibrillator	EST, Energy, Charge Time, ECG	500
6.	Electrosurgical unit	EST, Output Power	500
7.	Ventilator	EST, Flow, O ₂ %, PEEP, Tidal Volume, I:E time	500
8.	CPAP/ BIPAP	Flow, Tidal Volume	400
9.	Syringe pump	Flow, Volume, Occlusion	300
10.	Infusion pump	Flow, Volume, Occlusion	300
11.	Pressure gauge	Pressure	200
12.	Flow Meter	Flow rate	200
13.	OT Table	EST	300
14.	Tread Mill Test	ECG, EST	300
15.	Pacemaker	Amplitude	300
16.	Suction Apparatus	Pressure	200
17.	Anesthesia Machine	Vapor, EST, Flow, O ₂ %, PEEP, Tidal Volume, I:E time	500
18.	Boyles Apparatus	Flow rate	400

TESTING AND CALIBRATION CHARGES

