National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AVANT-TEC MEDICAL SYSTEMS PVT. LTD., NO.76, 7TH STREET, PHASE I, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 11/02/2022 to 10/02/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Site Facility				
1	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography(CT) Equipment	High contrast resolution	AERB test protocol
2	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography(CT) Equipment	Low contrast resolution	AERB test protocol
3	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography(CT) Equipment	mA/mAs Linearity (CoL)	AERB test protocol
4	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography(CT) Equipment	Operating Potential (kV)	AERB test protocol
5	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography(CT) Equipment	Radiation dose test (CTDI)	AERB test protocol
6	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography(CT) Equipment	Radiation Leakage level from X-Ray tube housing	AERB test protocol
7	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography(CT) Equipment	Radiation Protection Survey	AERB test protocol
8	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography(CT) Equipment	Reproducibility of output (CoV)	AERB test protocol
9	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography(CT) Equipment	Slice thickness (mm)	AERB test protocol
10	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography(CT) Equipment	Timer	AERB test protocol
11	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Computed Tomography(CT) Equipment	Total Filtration	AERB test protocol
12	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM & O-ARM Equipment	Consistency of radiation output	AERB test protocol

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13	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM & O-ARM Equipment	Exposure Rate at Tabletop	AERB test protocol
14	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM & O-ARM Equipment	High contrast resolution	AERB test protocol
15	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM & O-ARM Equipment	Irradiation Time	AERB test protocol
16	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM & O-ARM Equipment	Low contrast resolution	AERB test protocol
17	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM & O-ARM Equipment	mA/mAs Loading Stations	AERB test protocol
18	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM & O-ARM Equipment	Operating Potential (kV)	AERB test protocol
19	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM & O-ARM Equipment	Radiation leakage level at 1m from tube housing and Collimator	AERB test protocol
20	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM & O-ARM Equipment	Radiation Protection Survey	AERB test protocol
21	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM & O-ARM Equipment	Total filtration	AERB test protocol

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22	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Dental (Hand -held) Equipment	Operating Potential	AERB test protocol
23	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Radiation Protection Survey	AERB test protocol
24	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Consistency of radiation output	AERB test protocol
25	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Exposure Rate at Tabletop	AERB test protocol
26	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	High contrast resolution	AERB test protocol
27	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Irradiation Time	AERB test protocol
28	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Low contrast resolution	AERB test protocol
29	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	mA/mAs loading Stations	AERB test protocol
30	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Operating Potential (kV)	AERB test protocol

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31	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Radiation leakage level at 1m from tube housing and Collimator	AERB test protocol
32	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology Equipment	Total filtration	AERB test protocol
33	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Half value layer	AERB test protocol
34	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	mA/mAs Station(CoL)	AERB test protocol
35	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Operating Potential	AERB test protocol
36	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Performance of imaging phantom	AERB test protocol
37	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Radiation Leakage level from X Ray tube housing	AERB test protocol
38	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Radiation Protection Survey	AERB test protocol
39	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Reproducibility of output (CoV)	AERB test protocol
40	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography Equipment	Timer	AERB test protocol
41	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray(Fixed, Portable, Mobile) Equipment	Effective Focal Spot Measurement FFD= 60cm	AERB test protocol
42	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (Hand -held) Equipment	Linearity mA/mAs	AERB test protocol

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43	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (Hand -held) Equipment	Consistency of Radiation Output CoV	AERB test protocol
44	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (Hand -held) Equipment	Irradiation Time	AERB test protocol
45	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (Hand -held) Equipment	Radiation leakage level from X-ray tube housing at 1m from the focus	AERB test protocol
46	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (Hand -held) Equipment	Radiation Protection Survey	AERB test protocol
47	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (Hand -held) Equipment	Total Filtration	AERB test protocol
48	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG and Intra oral) Equipment	Consistency of Radiation Output	AERB test protocol
49	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG and Intra oral) Equipment	Irradiation time	AERB test protocol
50	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG and Intra oral) Equipment	mA/mAs	AERB test protocol
51	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG and Intra oral) Equipment	Operating Potential	AERB test protocol
52	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG and Intra oral) Equipment	Radiation leakage level from X-ray tube housing at 1m from the focus	AERB test protocol
53	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG and Intra oral) Equipment	Total Filtration	AERB test protocol

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54	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental OPG Equipment	Radiation Protection Survey	AERB test protocol
55	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	DEXA	Radiation Protection Survey	AERB test protocol
56	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray(Fixed, Portable, Mobile) Equipment	Central Beam Alignment	AERB test protocol
57	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray(Fixed, Portable, Mobile) Equipment	Congruence of radiation and Optical Field	AERB Test Protcol
58	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray(Fixed, Portable, Mobile) Equipment	Consistency of radiation output	AERB test protocol
59	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray(Fixed, Portable, Mobile) Equipment	Irradiation Time	AERB test protocol
60	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray(Fixed, Portable, Mobile) Equipment	mA/mAs loading Stations	AERB test protocol
61	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray(Fixed, Portable, Mobile) Equipment	Operating Potential (kV)	AERB test protocol
62	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray(Fixed, Portable, Mobile) Equipment	Radiation leakage level at 1m from tube housing and Collimator	AERB test protocol
63	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray(Fixed, Portable, Mobile) Equipment	Radiation Protection Survey	AERB test protocol
64	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray(Fixed, Portable, Mobile) Equipment	Timer	AERB test protocol

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65	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray(Fixed, Portable, Mobile) Equipment	Total Filtration	AERB test protocol