National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VMD MEDICAL SYSTEMS, 25, HIGHWAYS NAGAR, KORATTUR, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 06/09/2021 to 05/09/2023 **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)	CT Equipment	Accuracy of Operating Potential (kV)	AERB Test Protocol
2	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Accuracy of Timer (s)	AERB Test Protocol
3	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	High contrast resolution	AERB Test Protocol
4	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Low contrast resolution	AERB Test Protocol
5	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Measurement of mA/mAs Linearity	AERB Test Protocol
6	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Measurement of Radiation Protection Survey	AERB Test Protocol
7	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Radiation Dose Index CTDI	AERB Test Protocol
8	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Radiation Leakage level from X-Ray tube housing	AERB Test Protocol
9	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Radiation Profile width/ Slice Thickness	AERB Test Protocol
10	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Reproducibility of output (CoV)	AERB Test Protocol
11	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Timer Linearity	AERB Test Protocols
12	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Equipment	Total Filtration	AERB Test Protocol
13	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Accuracy of Operating Potential (kV)	AERB Test Protocol

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14	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Accuracy of Timer (s)	AERB Test Protocol
15	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Measurement of mA/mAs Linearity	AERB Test Protocol
16	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Measurement of Radiation Protection Survey	AERB Test Protocol
17	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Radiation Leakage level from X-Ray tube housing	AERB Test Protocol
18	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Reproducibility of output (CoV)	AERB Test Protocol
19	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Timer Linearity	AERB Test Protocol
20	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Total Filtration	AERB Test Protocol
21	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM and O-ARM	Accuracy of irradiation time (s)	AERB Test Protocol
22	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM and O-ARM	Accuracy of operating potential (kV)	AERB Test Protocol
23	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM and O-ARM	Consistency of radiation output (CoV)	AERB Test Protocol
24	DIAGNOSTIC RADIOLOGY QA TESTING- INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM and O-ARM	Linearity of mA/mAs loading stations	AERB Test Protocol

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25	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM and O-ARM	Low Contrast Resolution	AERB Test Protocol
26	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM and O-ARM	Measurement of Radiation Protection Survey	AERB Test Protocol
27	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM and O-ARM	Total Filtration	AERB Test Protocol
28	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM and O-ARM	Exposure Rate in Table Top	AERB Test Protocol:
29	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM and O-ARM	High Contrast Resolution	AERB Test Protocol
30	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-ARM and O-ARM	Radiation leakage level at 1m from tube housing	AERB Test Protocol
31	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	Accuracy of irradiation time (s)	AERB Test Protocol
32	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	Accuracy of operating potential (kV)	AERB Test Protocol
33	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	Consistency of radiation output (CoV)	AERB Test Protocol

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34	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	Exposure Rate in Table Top	AERB Test Protocol
35	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	High Contrast Resolution	AERB Test Protocol
36	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	Linearity of mA/mAs loading stations	AERB Test Protocol
37	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	Low Contrast Resolution	AERB Test Protocol
38	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	Measurement of Radiation Protection Survey	AERB Test Protocol
39	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	Radiation leakage level at 1m from tube housing	AERB Test Protocol
40	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	Timer Linearity	AERB Test Protocol
41	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology - Cath Lab	Total Filtration	AERB Test Protocol
42	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X Ray and Fluoroscopy	Accuracy of irradiation time (s)	AERB Test Protocol

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43	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X Ray and Fluoroscopy	Measurement of Radiation Protection Survey	AERB Test Protocol
44	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Central beam alignment	AERB Test Protocol
45	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Effective focal spot measurement FFD= 60 cm	AERB Test Protocol
46	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Accuracy of Operating Potential (kV)	AERB Test Protocol
47	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Congruence of radiation and optical field	AREB Test Protocol
48	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Consistency of radiation output (CoV)	AERB Test Protocol
49	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Exposure Rate in Table Top	AERB Test Protocol
50	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	High Contrast Resolution	AERB Test Protocol
51	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Low Contrast Resolution	AERB Test Protocol

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52	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Measurement of mA/mAs Linearity	AERB Test Protocol
53	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Radiation leakage level at 1m from tube housing	AERB Test Protocol
54	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X-ray and Fluoroscopy	Total Filtration	AERB Test Protocol
55	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Accuracy of Timer	AERB Test Protocol
56	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Half Value Layer	AERB Test Protocol
57	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Linearity ofmA/mAs loading stations	AERB Test Protocol
58	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Measurement of Radiation Protection Survey	AERB Test Protocol
59	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Performance of Imaging Phantom	AERB Test Protocol
60	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Radiation Leakage level from X Ray tube housing	AERB Test Protocol
61	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Reproducibility of output (CoV)	AERB Test Protocol
62	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mamography	Accuracy of Operating Potential (kV)	AERB Test Protocol
63	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental X-Ray Equipment (OPG and Intra Oral)	Accuracy of operating potential (kV)	AERB Test Protocol

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64	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental X-Ray Equipment (OPG and Intra Oral)	Accuracy of Irradiation time	AERB Test Protocol
65	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental X-Ray Equipment (OPG and Intra Oral)	Consistency of Radiation Output (CoV)	AERB Test Protocol
66	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental X-Ray Equipment (OPG and Intra Oral)	Measurement of mA/mAs Linearity	AERB Test Protocol
67	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental X-Ray Equipment (OPG and Intra Oral)	Measurement of Radiation Protection Survey	AERB Test Protocol
68	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental X-Ray Equipment (OPG and Intra Oral)	Radiation leakage level from X-ray tube housing	AERB Test Protocol
69	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental X-Ray Equipment (OPG and Intra Oral)	Timer linearity (Coefficient of Linearity)	AERB Test Protocol
70	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental X-Ray Equipment (OPG and Intra Oral)	Total filtration	AERB Test Protocol
71	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray (Fixed)	Measurement of Radiation Protection Survey	AERB Test Protocol
72	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray (Fixed, Portable and Mobile)	Accuracy of irradiation time (s)	AERB Test Protocol
73	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray (Fixed, Portable and Mobile)	Accuracy of operating potential (kV)	AERB Test Protocol
74	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray (Fixed, Portable and Mobile)	Central beam alignment	AERB Test Protocol

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75	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray (Fixed, Portable and Mobile)	Congruence of radiation and optical field	AERB Test Protocol
76	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray (Fixed, Portable and Mobile)	Consistency of radiation output (CoV)	AERB Test Protocol
77	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray (Fixed, Portable and Mobile)	Effective focal spot measurement FFD= 60 cm	AERB Test Protocol:
78	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray (Fixed, Portable and Mobile)	Linearity of mA/mAs loading stations	AERB Test Protocol
79	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray (Fixed, Portable and Mobile)	Radiation leakage level at 1m from tube housing	AERB Test Protocol
80	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-Ray (Fixed, Portable and Mobile)	Total Filtration	AERB Test Protocol