National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BIOMEDICAL TECHNIQUES, II/446 , S N PARK, POOTHOLE P O , AYYANTHOLE, THRISSUR, KERALA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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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 Scanner	Gantry Tilt	AERB/RF-MED/SC-03
2	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Total Filtration	AERB/RF-MED/SC-03
3	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Alignment of table to gantry	AERB/RF-MED/SC-03
4	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Computed Tomography Dose Index (CTDi)	AERB/RF-MED/SC-03
5	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	High Contrast Resolution	AERB/RF-MED/SC-03
6	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Low contrast resolution	AERB/RF-MED/SC-03
7	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	mA/mAs linearity	AERB/RF-MED/SC-03
8	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Operating Potential	AERB/RF-MED/SC-03
9	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Output consistency	AERB/RF-MED/SC-03
10	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Radiation Level measurement	AERB/RF-MED/SC-03
11	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Radiation profile width/slice thickness	AERB/RF-MED/SC-03
12	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Table indexing accuracy	AERB/RF-MED/SC-03
13	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Time	AERB/RF-MED/SC-03

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14	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Timer Linearity	AERB/RF-MED/SC-03
15	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	CT Scanner	Tube Housing Leakage	AERB/RF-MED/SC-03
16	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone beam CT	CT Dose Index (CTDI W)	AERB/RF-MED/SC-03
17	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	High contrast resolution	AERB/RF-MED/SC-03
18	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Linearity of mA/mAs loading station	AERB/RF-MED/SC-03
19	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Low contrast Resolution	AERB/RF-MED/SC-03
20	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Operating Potential	AERB/RF-MED/SC-03
21	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Radiation Level Measurement	AERB/RF-MED/SC-03
22	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Reproducibility of Radiation Output	AERB/RF-MED/SC-03
23	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Time	AERB/RF-MED/SC-03
24	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental cone beam CT	Timer Linearity	AERB test protocol
25	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone beam CT	Total filtration	AERB/RF-MED/SC-03
26	DIAGNOSTIC RADIOLOGY QA TESTING- COMPUTED TOMOGRAPHY (CT)	Dental Cone Beam CT	Tube housing leakage	AERB/RF-MED/SC-03

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27	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Consistency of Radiation Output	AERB/RF-MED/SC-03
28	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Exposure Rate at Table Top	AERB/RF-MED/SC-03
29	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	High Contrast Sensitivty	AERB/RF-MED/SC-03
30	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Linearity of mA/mAs loading station	AERB/RF-MED/SC-03
31	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Low contrast sensitivity	AERB/RF-MED/SC-03
32	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-Arm and O-Arm	Operating Potential	AERB/RF-MED/SC-03
33	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-Arm and O-Arm	Time	AERB/RF-MED/SC-03
34	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Total Filtration	AERB/RF-MED/SC-03
35	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	C-arm and O-arm	Tube Housing Leakage	AERB/RF-MED/SC-03

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36	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Consistency of radiation output	AERB/RF-MED/SC-03
37	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Exposure rate at table top	AERB/RF-MED/SC-03
38	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	High Contrast Sensitivity	AERB/RF-MED/SC-03
39	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Iradiation time	AERB/RF-MED/SC-03
40	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Linearity of mA/mAs loading station	AERB/RF-MED/SC-03
41	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Low contrast sensitivity	AERB/RF-MED/SC-03
42	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Operating Potential	AERB/RF-MED/SC-03
43	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Radiation level measurement	AERB/RF-MED/SC-03
44	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Total Filtration	AERB/RF-MED/SC-03

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45	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	Interventional Radiology	Tube Housing Leakage	AERB/RF-MED/SC-03
46	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Central Beam Alignment	AERB/RF-MED/SC-03
47	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Congruence of Radiation and Optical Field	AERB/RF-MED/SC-03
48	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Consistency of radiation output	AERB/RF-MED/SC-03
49	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Effective focal spot	AERB/RF-MED/SC-03
50	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Exposure rate at table top	AERB/RF-MED/SC-03
51	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	High contrast sensitivity	AERB/RF-MED/SC-03
52	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Irradiation time	AERB/RF-MED/SC-03
53	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Linearity of mA loading station	AERB/RF-MED/SC-03

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54	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Low contrast sensitivity	AERB/RF-MED/SC-03
55	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Operating Potential	AERB/RF-MED/SC-03
56	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Radiation Level Measurement	AERB/RF-MED/SC-03
57	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Total Filtration	AERB/RF-MED/SC-03
58	DIAGNOSTIC RADIOLOGY QA TESTING-INTERVENTIONAL RADIOLOGY & FLUOROSCOPY	X ray & Fluroscopy	Tube Housing Leakage	AERB/RF-MED/SC-03
59	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Consistency of Radiation Output	AERB/RF-MED/SC-03
60	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Half Value Layer	AERB/RF-MED/SC-03
61	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Imaging performane evaluation	AERB/RF-MED/SC-03
62	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Linearity of mA/mAs loading station	AERB/RF-MED/SC-03
63	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Operating Potential	AERB/RF-MED/SC-03
64	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Radiation level measurement	AERB/RF-MED/SC-03

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65	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Time	AERB/RF-MED/SC-03: 2016
66	DIAGNOSTIC RADIOLOGY QA TESTING-MAMMOGRAPHY	Mammography	Tube Housing Leakage	AERB/RF-MED/SC-03
67	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Bone Mineral Densitometer (BMD), DEXA	Radiation level measurement	AERB/RF-MED/SC-03
68	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG)	Radiation Level Measurement	AERB/RF-MED/SC-03
69	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG , IOPA , Hand held)	Consistency of radiation output	AERB/RF-MED/SC-03
70	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG , IOPA , Hand held)	Irradiation Time	AERB/RF-MED/SC-03
71	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG , IOPA , Hand held)	Linearity of mA/mAs loading station	AERB/RF-MED/SC-03
72	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG , IOPA , Hand held)	Operating Potential	AERB/RF-MED/SC-03
73	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG , IOPA , Hand held)	Total Filtration	AERB/RF-MED/SC-03
74	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	Dental (OPG , IOPA , Hand held)	Tube Housing Leakage	AERB/RF-MED/SC-03
75	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray- (Fixed, Portable, Mobile)	Central beam alignment	AERB/RF-MED/SC-03

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76	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray- (Fixed, Portable, Mobile)	Congruence of radiation and optical field	AERB test protocol
77	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray- (Fixed, Portable, Mobile)	Consistency of radiation output	AERB/RF-MED/SC-03
78	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray- (Fixed, Portable, Mobile)	Effective Focal Spot measurement	AERB/RF-MED/SC-03
79	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray- (Fixed, Portable, Mobile)	Irradiation time	AERB/RF-MED/SC-03
80	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray- (Fixed, Portable, Mobile)	Linearity of mA/mAs loading station	AERB/RF-MED/SC-03
81	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray- (Fixed, Portable, Mobile)	Operating Potential	AERB/RF-MED/SC-03
82	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray- (Fixed, Portable, Mobile)	Total Filtration	AERB/RF-MED/SC-03
83	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray- (Fixed, Portable, Mobile)	Tube Housing Leakage	AERB/RF-MED/SC-03
84	DIAGNOSTIC RADIOLOGY QA TESTING-RADIOGRAPHY (X-RAY - FIXED PORTABLE, MOBILE)	X-ray-(Fixed)	Radiation level measurement	AERB/RF-MED/SC-03