



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

RADIAL DIAGNOSTICS PRIVATE LIMITED, 8TH A CROSS, 16TH A MAIN ROAD, CA SITE, LIONS SEVA BHAVANA, YELAHANKA NEW TOWN, YELAHANKA, BENGALURU URBAN, KARNATAKA, INDIA

**Accreditation Standard**

ISO 15189:2012

**Certificate Number**

MC-4230

**Page No**

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**Validity**

18/03/2021 to 17/03/2023

**Last Amended on**

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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
Permanent Facility				
1	CLINICAL BIOCHEMISTRY	EDTA Whole Blood	HbA1c	HPLC-Ion Exchange
2	CLINICAL BIOCHEMISTRY	Plasma/Serum/Body Fluid	Glucose	Hexokinase
3	CLINICAL BIOCHEMISTRY	Serum	Alanine aminotransferase (ALT) / Serum glutamic-pyruvic transaminase (SGPT)	IFCC with pyridoxal phosphates
4	CLINICAL BIOCHEMISTRY	Serum	Albumin	Bromocresol Green (BCG)
5	CLINICAL BIOCHEMISTRY	Serum	Alkaline phosphatase (ALP)	p-nitrophenyl phosphate
6	CLINICAL BIOCHEMISTRY	Serum	Amylase	Enzymatic Colorimetric Assay
7	CLINICAL BIOCHEMISTRY	Serum	Aspartate aminotransferase (AST) / Serum glutamate oxalo transferase (SGOT)	IFCC with pyridoxal phosphates
8	CLINICAL BIOCHEMISTRY	Serum	Bilirubin Direct	Colorimetric Diazo method
9	CLINICAL BIOCHEMISTRY	Serum	Bilirubin Total	Colorimetric Diazo method
10	CLINICAL BIOCHEMISTRY	Serum	Blood Urea Nitrogen (BUN)	Calculation
11	CLINICAL BIOCHEMISTRY	Serum	CA-125	ECLIA
12	CLINICAL BIOCHEMISTRY	Serum	Calcium	5 Nitro - 5 Methyl BAPTA
13	CLINICAL BIOCHEMISTRY	Serum	Chloride	ISE - Direct (Ion Selective Electrode) Method



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14	CLINICAL BIOCHEMISTRY	Serum	Cholesterol - LDL	Enzymatic Colorimetric Assay
15	CLINICAL BIOCHEMISTRY	Serum	Cholesterol - VLDL	Calculation
16	CLINICAL BIOCHEMISTRY	Serum	Cholesterol- HDL (Direct)	PEG-cholesterol esterase
17	CLINICAL BIOCHEMISTRY	Serum	Cholesterol Total	Cholesterol oxidase peroxidase (CHOD-POD)
18	CLINICAL BIOCHEMISTRY	Serum	Creatinine	Jaffe kinetic
19	CLINICAL BIOCHEMISTRY	Serum	Ferritin	ECLIA
20	CLINICAL BIOCHEMISTRY	Serum	Follicle Stimulating Hormone (FSH)	ECLIA
21	CLINICAL BIOCHEMISTRY	Serum	FT3 (Free-Triiodothyronine)	ECLIA
22	CLINICAL BIOCHEMISTRY	Serum	FT4 (Free-Thyroxine)	ECLIA
23	CLINICAL BIOCHEMISTRY	Serum	Gamma-Glutamyltransferase (GGT)	Enzyme-?-Glutamyltransferase
24	CLINICAL BIOCHEMISTRY	Serum	IgE (Immunoglobulin E)	ECLIA
25	CLINICAL BIOCHEMISTRY	Serum	Iron	Colorimetric Assay
26	CLINICAL BIOCHEMISTRY	Serum	Lipase	Enzymatic Colorimetric Assay
27	CLINICAL BIOCHEMISTRY	Serum	Luteinizing Hormone (LH)	ECLIA
28	CLINICAL BIOCHEMISTRY	Serum	Phosphorous	End point -Ammonium phosphomolybdate
29	CLINICAL BIOCHEMISTRY	Serum	Potassium	ISE - Direct (Ion Selective Electrode) Method
30	CLINICAL BIOCHEMISTRY	Serum	Progesterone	ECLIA



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31	CLINICAL BIOCHEMISTRY	Serum	Prolactin	ECLIA
32	CLINICAL BIOCHEMISTRY	Serum	PSA Total	ECLIA
33	CLINICAL BIOCHEMISTRY	Serum	Sodium	ISE - Direct (Ion Selective Electrode) Method
34	CLINICAL BIOCHEMISTRY	Serum	$\beta$ -HCG	ECLIA
35	CLINICAL BIOCHEMISTRY	Serum	T3 (Tri-iodothyronine)	ECLIA
36	CLINICAL BIOCHEMISTRY	Serum	T4 (Thyroxine)	ECLIA
37	CLINICAL BIOCHEMISTRY	Serum	Testosterone	ECLIA
38	CLINICAL BIOCHEMISTRY	Serum	Total Protein	Biuret colorimetric assay
39	CLINICAL BIOCHEMISTRY	Serum	Triglycerides	Glycerol peroxidase - peroxidase (GPO-POD)
40	CLINICAL BIOCHEMISTRY	Serum	TSH (Thyroid-Stimulating Hormone)	ECLIA
41	CLINICAL BIOCHEMISTRY	Serum	Urea	Urease / Glutamate dehydrogenase (GLDH)
42	CLINICAL BIOCHEMISTRY	Serum	Uric acid	Enzyme-uricase Peroxidase
43	CLINICAL BIOCHEMISTRY	Serum	Vitamin B12	ECLIA
44	CLINICAL PATHOLOGY	Stool	Macroscopic examination (Color, Consistency, Mucus, Blood, Parasite)	Manual Method
45	CLINICAL PATHOLOGY	Stool	Chemical -pH	Manual Method, pH paper
46	CLINICAL PATHOLOGY	Stool	Chemical-Reducing Substance	Benedict's method



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47	CLINICAL PATHOLOGY	Stool	Microscopic examination (Pus cells, RBCs, Macrophages, Epithelial cells, Cyst, Ova, Fat globules, Starch granules, Yeast cells, and Vegetable fibres)	Manual method, Wet Mount NaCl 0.9%/ Lugol's iodine, Light Microscopy
48	CLINICAL PATHOLOGY	Stool	Occult blood	Standard Guaiac
49	CLINICAL PATHOLOGY	Urine	Bilirubin	Azo-coupling reaction
50	CLINICAL PATHOLOGY	Urine	Blood	Peroxidase-like activity of Hemoglobin
51	CLINICAL PATHOLOGY	Urine	Glucose	Glucose-oxidase/oxidase
52	CLINICAL PATHOLOGY	Urine	Ketone Bodies	Modified Rothera's nitroprusside reaction
53	CLINICAL PATHOLOGY	Urine	Leucocytes	Derivatized phenylpyrrole
54	CLINICAL PATHOLOGY	Urine	Microscopy	Manual Method
55	CLINICAL PATHOLOGY	Urine	Nitrates	Diazotization reaction
56	CLINICAL PATHOLOGY	Urine	pH	Double indicator principle
57	CLINICAL PATHOLOGY	Urine	Protein	Protein error of indicators
58	CLINICAL PATHOLOGY	Urine	Specific Gravity	Refractometric method
59	CLINICAL PATHOLOGY	Urine	Urobilinogen	Modified Ehrlich reaction
60	HAEMATOLOGY	EDTA Whole Blood	Absolute Basophils count	Calculated



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61	HAEMATOLOGY	EDTA Whole Blood	Absolute Eosinophils count	Calculated
62	HAEMATOLOGY	EDTA Whole Blood	Absolute Lymphocytes count	Calculated
63	HAEMATOLOGY	EDTA Whole Blood	Absolute Monocytes count	calculated
64	HAEMATOLOGY	EDTA Whole Blood	Absolute Neutrophils Count	calculated
65	HAEMATOLOGY	EDTA Whole Blood	Basophils	Optical Impedance Method
66	HAEMATOLOGY	EDTA Whole Blood	Eosinophils	Optical Impedance Method
67	HAEMATOLOGY	EDTA Whole Blood	Haemoglobin	Photometric Measurement
68	HAEMATOLOGY	EDTA Whole Blood	Lymphocytes	Optical Impedance Method
69	HAEMATOLOGY	EDTA Whole Blood	Mean Corpuscular Haemoglobin (MCH)	Calculation
70	HAEMATOLOGY	EDTA Whole Blood	Mean Corpuscular Haemoglobin Concentration (MCHC)	Calculation
71	HAEMATOLOGY	EDTA Whole Blood	Mean Cospuscular Volume(MCV)	Derived from RBC Histogram
72	HAEMATOLOGY	EDTA Whole Blood	Mean Platelet Volume (MPV)	Derived from Platelet Histogram
73	HAEMATOLOGY	EDTA Whole Blood	Monocytes	Optical Impedance Method



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74	HAEMATOLOGY	EDTA Whole Blood	Neutrophils	Optical Impedance Method
75	HAEMATOLOGY	EDTA Whole Blood	Packed Cell Volume (PCV)	Calculated
76	HAEMATOLOGY	EDTA Whole Blood	Peripheral blood smear	Manual method, Leishman stain, Light Microscopy
77	HAEMATOLOGY	EDTA Whole Blood	Platelet Count	Coulter Principle
78	HAEMATOLOGY	EDTA Whole Blood	RBC Count	Coulter principle
79	HAEMATOLOGY	EDTA Whole Blood	Red Cell Distribution Width (RDW) - CV	Automated cell counter, Derived from RBC Histogram
80	HAEMATOLOGY	EDTA Whole Blood	Reticulocytes count	Manual method, New Methylene blue, Light Microscopy
81	HAEMATOLOGY	EDTA Whole Blood	Smear for MP (Malarial Parasite)	Manual method, Leishman stain, Thick And Thin smear Light Microscopy
82	HAEMATOLOGY	EDTA Whole Blood	WBC Count	Coulter principle
83	HAEMATOLOGY	Sodium Citrate Whole Blood	ESR (Erythrocyte Sedimentation Rate)	Manual Westegren's Method
84	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum/Plasma	Dengue NS1 & IgG + IgM	Immunochemistry
85	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum/Plasma	HBsAg	Immunochemistry



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86	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum/Plasma	HCV	Immunochromatography
87	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum/Plasma	RPR (Rapid Plasma Reagin)	Slide flocculation
88	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum/Plasma	Widal Test	Slide & Tube Agglutination