



# National Accreditation Board for Test and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** PSG HOSPITALS DIAGNOSTIC CENTRE AVINASHI ROAD PEELAMEDU COIMBATORE ,TAMIL NADU  
INDIA

**Accreditation Standard :** ISO 15189:2012

**Certificate Number :** MC-2799

**Validity :** 18/06/2023to 17/06/2025 Last Amended on 20/06/2023

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	CSF	Chloride	ISE Indirect
2	CLINICAL BIOCHEMISTRY	CSF	Glucose	Hexokinase
3	CLINICAL BIOCHEMISTRY	CSF	Protein	Turbidimetry
4	CLINICAL BIOCHEMISTRY	EDTA Whole Blood	Estimated Average Glucose	Calculated
5	CLINICAL BIOCHEMISTRY	EDTA Whole Blood	HbA1C	HPLC, NGSP
6	CLINICAL BIOCHEMISTRY	EDTA Whole Blood	HbA1C	Immunoturbidimetry
7	CLINICAL BIOCHEMISTRY	EDTA Whole Blood	HbA2	HPLC
8	CLINICAL BIOCHEMISTRY	EDTA Whole Blood	HbF	HPLC
9	CLINICAL BIOCHEMISTRY	EDTA Whole Blood	HbS	HPLC
10	CLINICAL BIOCHEMISTRY	EDTA Whole Blood	Tacrolimus	Electrochemiluminescence
11	CLINICAL BIOCHEMISTRY	Heparinised Blood	Lactate	Lactate Oxidase
12	CLINICAL BIOCHEMISTRY	Heparinised Blood	pCO2	ISE Direct
13	CLINICAL BIOCHEMISTRY	Heparinised Blood	pH	ISE Direct
14	CLINICAL BIOCHEMISTRY	Heparinised Blood	pO2	ISE Direct
15	CLINICAL BIOCHEMISTRY	plasma	Ammonia	Enzymatic with Glutamate Dehydrogenase
16	CLINICAL BIOCHEMISTRY	plasma	Homocysteine	Enzymatic
17	CLINICAL BIOCHEMISTRY	plasma	hs Troponin – T	Electrochemiluminescence
18	CLINICAL BIOCHEMISTRY	Plasma, Ascitic, Pleural, Synovial Fluids	Glucose	Hexokinase
19	CLINICAL BIOCHEMISTRY	serum	Urea Nitrogen	Calculation
20	CLINICAL BIOCHEMISTRY	serum	Anti Mullerian Hormone (AMH)	Electrochemiluminescence
21	CLINICAL BIOCHEMISTRY	serum	T3	Electrochemiluminescence
22	CLINICAL BIOCHEMISTRY	serum	Total PSA	Electrochemiluminescence
23	CLINICAL BIOCHEMISTRY	serum	Vitamin B12	Electrochemiluminescence
24	CLINICAL BIOCHEMISTRY	serum	Creatinine	Enzymatic
25	CLINICAL BIOCHEMISTRY	serum	FT3	Electrochemiluminescence
26	CLINICAL BIOCHEMISTRY	serum	FT4	Electrochemiluminescence
27	CLINICAL BIOCHEMISTRY	serum	Human Chorionic Gonadotropin	Electrochemiluminescence
28	CLINICAL BIOCHEMISTRY	serum	Insulin	Electrochemiluminescence

29	CLINICAL BIOCHEMISTRY	Serum	Prolactin	Electrochemiluminescence
30	CLINICAL BIOCHEMISTRY	Serum	Calcium	BAPTA
31	CLINICAL BIOCHEMISTRY	Serum	25-Hydroxy vitamin D total	Electrochemiluminescence
32	CLINICAL BIOCHEMISTRY	Serum	Albumin	BCG
33	CLINICAL BIOCHEMISTRY	Serum	Alkaline Phosphatase	PNPP Hydrolysis, AMP Buffer
34	CLINICAL BIOCHEMISTRY	Serum	Alpha feto Protein	Electrochemiluminescence
35	CLINICAL BIOCHEMISTRY	Serum	ALT	IFCC without P-5-P
36	CLINICAL BIOCHEMISTRY	Serum	Anti TPO antibodies	Electrochemiluminescence
37	CLINICAL BIOCHEMISTRY	Serum	Apolipoprotein A1	Immunoturbidimetry
38	CLINICAL BIOCHEMISTRY	Serum	Apolipoprotein B	Immunoturbidimetry
39	CLINICAL BIOCHEMISTRY	Serum	AST	IFCC Without P-5-P
40	CLINICAL BIOCHEMISTRY	Serum	C3	Immunoturbidimetry
41	CLINICAL BIOCHEMISTRY	Serum	C4	Immunoturbidimetry
42	CLINICAL BIOCHEMISTRY	Serum	CA 125	Electrochemiluminescence
43	CLINICAL BIOCHEMISTRY	Serum	CA19.9	Electrochemiluminescence
44	CLINICAL BIOCHEMISTRY	Serum	CEA	Electrochemiluminescence
45	CLINICAL BIOCHEMISTRY	Serum	Ceruloplasmin	Immunoturbidimetry
46	CLINICAL BIOCHEMISTRY	Serum	Cortisol	Electrochemiluminescence
47	CLINICAL BIOCHEMISTRY	Serum	Creatinine Kinase Total (NAC)	IFCC
48	CLINICAL BIOCHEMISTRY	Serum	Direct Bilirubin	Diazo
49	CLINICAL BIOCHEMISTRY	Serum	eGFR	Calculated
50	CLINICAL BIOCHEMISTRY	Serum	Estradiol	Electrochemiluminescence
51	CLINICAL BIOCHEMISTRY	Serum	Ferritin	Electrochemiluminescence
52	CLINICAL BIOCHEMISTRY	Serum	Folate	Electrochemiluminescence
53	CLINICAL BIOCHEMISTRY	Serum	Free Beta HCG	Electrochemiluminescence
54	CLINICAL BIOCHEMISTRY	Serum	FSH	Electrochemiluminescence
55	CLINICAL BIOCHEMISTRY	Serum	G-Glutamyl Transferase	IFCC
56	CLINICAL BIOCHEMISTRY	Serum	Globulin	Calculated
57	CLINICAL BIOCHEMISTRY	Serum	Haptoglobin	Immunoturbidimetry
58	CLINICAL BIOCHEMISTRY	Serum	HDL Cholesterol	Enzymatic

59	CLINICAL BIOCHEMISTRY	Serum	High Sensitivity CRP (hsCRP)	Immunoturbidimetry
60	CLINICAL BIOCHEMISTRY	Serum	IGA	Immunoturbidimetry
61	CLINICAL BIOCHEMISTRY	Serum	IGE	Electrochemiluminescence
62	CLINICAL BIOCHEMISTRY	Serum	IGG	Immunoturbidimetry
63	CLINICAL BIOCHEMISTRY	Serum	IGM	Immunoturbidimetry
64	CLINICAL BIOCHEMISTRY	Serum	IL-6	Electrochemiluminescence
65	CLINICAL BIOCHEMISTRY	Serum	Indirect Bilirubin	Calculated
66	CLINICAL BIOCHEMISTRY	Serum	Intact PTH	Electrochemiluminescence
67	CLINICAL BIOCHEMISTRY	Serum	Iron	Ferrozine
68	CLINICAL BIOCHEMISTRY	Serum	LDL Cholesterol	Enzymatic
69	CLINICAL BIOCHEMISTRY	Serum	LH	Electrochemiluminescence
70	CLINICAL BIOCHEMISTRY	Serum	Lipase	Colorimetry
71	CLINICAL BIOCHEMISTRY	Serum	Lipoprotein `A`	Particle Enhance Immunoturbidimetry
72	CLINICAL BIOCHEMISTRY	Serum	Lithium	ISE Direct
73	CLINICAL BIOCHEMISTRY	Serum	Magnesium	Xylidylblue
74	CLINICAL BIOCHEMISTRY	Serum	Osmolality	Freezing Point
75	CLINICAL BIOCHEMISTRY	Serum	PAPP-A	Electrochemiluminescence
76	CLINICAL BIOCHEMISTRY	Serum	Phosphorus	Ammonium Molybdate
77	CLINICAL BIOCHEMISTRY	Serum	Procalcitonin	Electrochemiluminescence
78	CLINICAL BIOCHEMISTRY	Serum	Progesterone	Electrochemiluminescence
79	CLINICAL BIOCHEMISTRY	Serum	Prolactin	Calculated
80	CLINICAL BIOCHEMISTRY	Serum	Protein Electrophoresis Albumin Alpha 1 Globulin Alpha 2 Globulin Beta Globulin Gamma globulin	Capillary Electrophoresis
81	CLINICAL BIOCHEMISTRY	Serum	Pseudo Cholinesterase	Hydrolysis of S-butyryl Thiocholine Iodide Electrochemiluminescence
82	CLINICAL BIOCHEMISTRY	Serum	Small Dense LDL (sdLDL)	Calculated
83	CLINICAL BIOCHEMISTRY	Serum	Total Bilirubin	Diazo
84	CLINICAL BIOCHEMISTRY	Serum	Total Testosterone	Electrochemiluminescence
85	CLINICAL BIOCHEMISTRY	Serum	Triglycerides	Enzymatic
86	CLINICAL BIOCHEMISTRY	Serum	TSH	Electrochemiluminescence
87	CLINICAL BIOCHEMISTRY	Serum	Unsaturated Iron Binding Capacity	Ferrozine

88	CLINICAL BIOCHEMISTRY	Serum	Urea	Urease
89	CLINICAL BIOCHEMISTRY	Serum	Uric Acid	Uricase
90	CLINICAL BIOCHEMISTRY	Serum	VLDL Cholesterol	Calculated
91	CLINICAL BIOCHEMISTRY	Serum/Ascitic/Pleural Fluid	LDH	Lactate to Pyruvate
92	CLINICAL BIOCHEMISTRY	Serum/Ascitic/Pleural Fluid	Total Cholesterol	Enzymatic
93	CLINICAL BIOCHEMISTRY	Serum/Ascitic/Pleural Fluid	Amylase	5 Ethylidene - G-7- PNP
94	CLINICAL BIOCHEMISTRY	Serum/Ascitic/Pleural/Synovia I Fluid	Total Protein	Biuret
95	CLINICAL BIOCHEMISTRY	Serum/Heparinised Blood	Bicarbonate	Calculated
96	CLINICAL BIOCHEMISTRY	Serum/Heparinised Blood	Chloride	ISE Direct
97	CLINICAL BIOCHEMISTRY	Serum/Heparinised Blood	Ionised Calcium	ISE Direct
98	CLINICAL BIOCHEMISTRY	Serum/Heparinised Blood	Potassium	ISE Direct
99	CLINICAL BIOCHEMISTRY	Serum/Heparinised Blood	Sodium	ISE Direct
100	CLINICAL BIOCHEMISTRY	Serum/Plasma	Creatine Kinase – MB	Electrochemiluminescence
101	CLINICAL BIOCHEMISTRY	Serum/Plasma	NT-ProBNP	Electrochemiluminescence
102	CLINICAL BIOCHEMISTRY	Serum/Pleural/Ascitic/CSF	ADA	Enzymatic
103	CLINICAL BIOCHEMISTRY	Serum/Urine	Copper	Atomic Absorption Spectroscopy
104	CLINICAL BIOCHEMISTRY	Serum/Urine	Creatinine Clearance	Calculated
105	CLINICAL BIOCHEMISTRY	Serum/Urine	Osmolarity	Calculated
106	CLINICAL BIOCHEMISTRY	Urine	Potassium	ISE Indirect
107	CLINICAL BIOCHEMISTRY	Urine	Albumin	Immunoturbidimetry
108	CLINICAL BIOCHEMISTRY	Urine	Amphetamine, Barbiturates, Benzodiazepines, Cocaine, Methamphetamine, Methadone, Opiate, Phencyclidine, Marijuana	Immunoassay
109	CLINICAL BIOCHEMISTRY	Urine	Calcium	BAPTA
110	CLINICAL BIOCHEMISTRY	Urine	Calcium/Creatinine Ratio	Calculated
111	CLINICAL BIOCHEMISTRY	Urine	Chloride	ISE Indirect
112	CLINICAL BIOCHEMISTRY	Urine	Creatinine	Enzymatic
113	CLINICAL BIOCHEMISTRY	Urine	Glucose	Hexokinase
114	CLINICAL BIOCHEMISTRY	Urine	Magnesium	Xylidylblue
115	CLINICAL BIOCHEMISTRY	Urine	Osmolality	Freezing Point
116	CLINICAL BIOCHEMISTRY	Urine	Phosphorus	Ammonium Molybdate
117	CLINICAL BIOCHEMISTRY	Urine	Protein	Turbidimetry

118	CLINICAL BIOCHEMISTRY	Urine	Protein/Creatinine Ratio	Calculated
119	CLINICAL BIOCHEMISTRY	Urine	Sodium	ISE Indirect
120	CLINICAL BIOCHEMISTRY	Urine	Urea Clearance	Calculated
121	CLINICAL BIOCHEMISTRY	Urine	Urea	Urease
122	CLINICAL BIOCHEMISTRY	Urine	Uric Acid	Uricase