National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SREE BALAJI MEDICAL COLLEGE AND HOSPITAL, CENTRAL LABORATORY, 7, CLC WORKS ROAD, CHROMEPET, CHENNAI, CHENGALPATTU, TAMIL NADU, INDIA

Accreditation Standard ISO 15189:2022

Certificate Number MC-6022 **Page No** 1 of 6

Validity 29/09/2025 to 28/09/2029 **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
Permanent Facility				
1	CLINICAL BIOCHEMISTRY	Plasma	Glucose	GOD-POD
2	CLINICAL BIOCHEMISTRY	SERUM	A/G RATIO	CALCULATED
3	CLINICAL BIOCHEMISTRY	Serum	Albumin	Bromocresal green
4	CLINICAL BIOCHEMISTRY	Serum	Alkaline Phosphatase	p-Nitrophenyl phosphate
5	CLINICAL BIOCHEMISTRY	Serum	ALT/SGPT	IFCC without P5P
6	CLINICAL BIOCHEMISTRY	Serum	Amylase	1, 4-a-D-glucanohydrolase
7	CLINICAL BIOCHEMISTRY	Serum	AST/SGOT	IFCC with P5P
8	CLINICAL BIOCHEMISTRY	Serum	Bilirubin Direct	Vanadiate Oxidase method
9	CLINICAL BIOCHEMISTRY	Serum	Bilirubin Total	Vanadiate Oxidase method
10	CLINICAL BIOCHEMISTRY	Serum	Calcium	Arsenazo III
11	CLINICAL BIOCHEMISTRY	Serum	Chloride	Indirect ISE
12	CLINICAL BIOCHEMISTRY	Serum	Cholesterol Total	CHOD-POD
13	CLINICAL BIOCHEMISTRY	Serum	Creatine Kinase	Creatine phosphate + ADP
14	CLINICAL BIOCHEMISTRY	Serum	Creatinine	Enzymatic colorimetric Sarcosine Oxidase
15	CLINICAL BIOCHEMISTRY	SERUM	FREE T3	CLIA 960i
16	CLINICAL BIOCHEMISTRY	Serum	Free T4	CLIA
17	CLINICAL BIOCHEMISTRY	Serum	GGT	Szasz
18	CLINICAL BIOCHEMISTRY	SERUM	GLOBULIN	CALCULATED VALUE
19	CLINICAL BIOCHEMISTRY	Serum	HDL cholesterol	Cholesterol esterase oxidase
20	CLINICAL BIOCHEMISTRY	Serum	Lactate Dehydrogenase	Pyruvate
21	CLINICAL BIOCHEMISTRY	Serum	Magnesium	Xylidyl blue
22	CLINICAL BIOCHEMISTRY	Serum	Phosphorus	Phosphomolybdate
23	CLINICAL BIOCHEMISTRY	Serum	Potassium	Indirect ISE
24	CLINICAL BIOCHEMISTRY	Serum	Sodium	Indirect ISE
25	CLINICAL BIOCHEMISTRY	Serum	Total protein	Biuret
26	CLINICAL BIOCHEMISTRY	Serum	Total T3	CLIA
27	CLINICAL BIOCHEMISTRY	Serum	Total T4	CLIA
28	CLINICAL BIOCHEMISTRY	Serum	Triglycerides	GPO-POD
29	CLINICAL BIOCHEMISTRY	Serum	TSH	CLIA
30	CLINICAL BIOCHEMISTRY	Serum	Urea	Urease- GLDH,UV
31	CLINICAL BIOCHEMISTRY	Serum	Uric acid	Uricase, Peroxidase
32	CLINICAL BIOCHEMISTRY	serum	VLDL	Calculated
33	CLINICAL PATHOLOGY	Urine	Albumin	Protein Error Principle(Semi Automated) / Reflective photometry(Fully automated)
34	CLINICAL PATHOLOGY	URINE	APPEARENCE	MANUAL / Reflective photometry(Fully automated)

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Accreditation Standard ISO 15189:2022

Certificate Number MC-6022 **Page No** 2 of 6

Validity 29/09/2025 to 28/09/2029 **Last Amended on** -

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35	CLINICAL PATHOLOGY	Urine	Bilirubin	Diazonium Ion Reaction / Reflective photometry(Fully automated)
36	CLINICAL PATHOLOGY	Urine	Casts	Microscopic / Automatic Microscopy(Fully automated)
37	CLINICAL PATHOLOGY	URINE	COLOUR	MANUAL / / Reflective photometry(Fully automated)
38	CLINICAL PATHOLOGY	Urine	Crystals	Microscopic / Automatic microscopy(Fully automated)
39	CLINICAL PATHOLOGY	Urine	Epithelial cells	Microscopic / Automatic microscopy(Fully automated)
40	CLINICAL PATHOLOGY	Urine	Ketone	Legal's Test / Reflective photometry(Fully automated)
41	CLINICAL PATHOLOGY	Urine	Nitrate	GriessMethod / Reflective photometry(Fully automated)
42	CLINICAL PATHOLOGY	Urine	pH	Methyl Red and Bromothymol blue / Reflective photometry(Fully automated)
43	CLINICAL PATHOLOGY	Urine	Pus cells	Microscopic Automatic microscopy(Fully automated)
44	CLINICAL PATHOLOGY	Urine	RBCs	Microscopic / Automatic microscopy(Fully automated)
45	CLINICAL PATHOLOGY	Urine	Specific Gravity	REFRACTOMETRIC / Reflective photometry(Fully automated)
46	CLINICAL PATHOLOGY	Urine	Sugar	Glucose Oxidase/ Peroxidase (Semi Automated) / Reflective photometry(Fully automated)
47	CLINICAL PATHOLOGY	Urine	Urobilinogen	Azo-Diazo Reaction / Reflective photometry(Fully automated)
48	CLINICAL PATHOLOGY	Urine	Yeast, Bacteria, Parasites	Microscopic Automatic microscopy(Fully automated)
49	CYTOPATHOLOGY	Body fluids - Pleural fluid, Ascitic fluid, Cerebrospinal Fluid , Broncho Alveolar Lavage Fluid, Pericardial fluid, Synovial fluid, Peritonial Fluid/ Wash, Ovarian Cyst Fluid	Cyto centrifugation/ Manual Centrifugation/ Smear preparation/ Staining with PAP/ H&E, MGG	Light microscopy with interpretation of Hematoxylin and eosin stain, PAP stain, May-Grunwald Giemsa Stain
50	CYTOPATHOLOGY	Gynaec - Cervical and Vaginal smears (Conventional /Cytospin)	PAP Stain	Light microscopy with interpretation
51	CYTOPATHOLOGY	Nipple Discharge smears	Staining with PAP/ H&E	Light microscopy with interpretation
52	CYTOPATHOLOGY	Palpable Visible/Non-Palpable lesion involving any organ	FNA, Smear preparation, Staining with PAP, H&E,MGG	Light microscopy with interpretation
53	CYTOPATHOLOGY	Scrapings/Brushings (GIT, Bronchial, Oral, Skin), Touch smears (Skin), Tzanck smear	Staining with PAP/ H&E	Light microscopy with interpretation
54	CYTOPATHOLOGY	Unstained smears	Staining with PAP/ H&E	Light microscopy with interpretation
55	HAEMATOLOGY	Whole Blood	Absolute Basophil Count	Calcuated
56	HAEMATOLOGY	Whole Blood	Absolute Eosinophil Count	Calculated
57	HAEMATOLOGY	Whole Blood	Absolute Lymphocyte Count	Calculated

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Accreditation Standard ISO 15189:2022

Certificate Number MC-6022 **Page No** 3 of 6

Validity 29/09/2025 to 28/09/2029 **Last Amended on** -

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58	HAEMATOLOGY	Whole Blood	Absolute Monocyte Count	Calculated
59	HAEMATOLOGY	Whole Blood	Absolute Neutrophil Count	Calculated
60	HAEMATOLOGY	Whole Blood	Basophil	Laser Flow Cytometry Automated
61	HAEMATOLOGY	Whole Blood	Eosinophil	Laser Flow Cytometry Automated
62	HAEMATOLOGY	Whole Blood	ESR	Modified Westergren Method (Automated) / Westergren Method Manual
63	HAEMATOLOGY	Whole Blood	Haematocrit	Calculated
64	HAEMATOLOGY	Whole Blood	Haemoglobin	Calorimetric - Non Cyanide Method (Automated)
65	HAEMATOLOGY	Whole Blood	Lymphocytes	Laser Flow Cytometry Automated
66	HAEMATOLOGY	Whole Blood	MCH	Calculated
67	HAEMATOLOGY	Whole Blood	MCHC	Calculated
68	HAEMATOLOGY	Whole Blood	MCV	Calculated
69	HAEMATOLOGY	Whole Blood	Monocytes	Laser Flow Cytometry Automated
70	HAEMATOLOGY	Whole Blood	Neutrophil	Laser Flow Cytometry Automated
71	HAEMATOLOGY	Whole Blood	Peripheral Blood Smear	Manual Method - Leishman Staining
72	HAEMATOLOGY	Whole Blood	Platelet Count	Electrical Impedance method
73	HAEMATOLOGY	Whole Blood	RDW (CV%)	Calculated
74	HAEMATOLOGY	Whole Blood	RDW (SD)	Calculated
75	HAEMATOLOGY	Whole Blood	Reticulocyte Count	Supravital staining (New Methylene Blue) (Manual)
76	HAEMATOLOGY	Whole Blood	Smear for MP/MF	Manual Method - Leishman Staining (Thin) and Giemsa (Thick)
77	HAEMATOLOGY	Whole Blood	Total Count of RBC	Sheath Fluid Impedance Method (Automated)
78	HAEMATOLOGY	Whole Blood	Total Count of WBC	Laser Flow Cytometry Automated
79	HISTOPATHOLOGY	Cell block preparation for fluids/aspirates	Processing, Microtomy, H&E Staining (Conventional)	Light microscopy with interpretation
80	HISTOPATHOLOGY	Paraffin Blocks for second opinion	Microtomy, H&E Staining (Conventional)	Light microscopy with interpretation
81	HISTOPATHOLOGY	Slides for second opinion	Stained/Unstained slides	Light microscopy with interpretation
82	HISTOPATHOLOGY	Small, Medium and Large Tissues	Grossing, Decalcification, Processing, Paraffin Embedding, Microtomy, H&E (Conventional)	Light microscopy with interpretation
83	HISTOPATHOLOGY	Tissue/ Paraffin block/ Unstained slide	Giemsa	Light microscopy with interpretation
84	HISTOPATHOLOGY	Tissue/ Paraffin block/ Unstained slide	Modified AFB Stain(for Lepra bacilli)	Light microscopy with interpretation
85	HISTOPATHOLOGY	Tissue/ Paraffin block/ Unstained Slide	Periodic Acid - Schiff Stain (PAS)	Light Microscopy with Interpretation
86	HISTOPATHOLOGY	Tissue/ Paraffin Block/ Unstained Slide	Perls' Prussian Blue Stain	Light Microscopy with Interpretation
87	HISTOPATHOLOGY	Tissue/ Paraffin Block/ Unstained Slide	Van Gieson Stain	Light Microscopy with Interpretation

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Accreditation Standard ISO 15189:2022

Certificate Number MC-6022 **Page No** 4 of 6

Validity 29/09/2025 to 28/09/2029 **Last Amended on** -

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88	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Bacterial isolates from clinical samples (Blood, pus, wound swabs,tissue,Sputum,throat swab,Endotracheal Aspirates,Urine,Stool, Conjuctival swab, ear swab and High vaginal swab)	Antimicrobial Susceptibility	Disc diffusion by Kirby-Bauer- Manual
89	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Bacterial isolates from clinical samples (Blood, pus, wound swabs,tissue,Sputum,throat swab,Endotracheal Aspirates,Urine,Stool, Conjuctival swab, ear swab and High vaginal swab)	Antimicrobial Susceptibility	MIC Determination – Automated
90	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Bacterial isolates from ICU samples(pus, wound swabs,tissue,Sputum,throat swab,Endotracheal Aspirates,Urine,Stool, Conjuctival swab, ear swab and High vaginal swab)	Antimicrobial susceptibility	MIC Determination – Automated
91	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Bacterial isolates from ICU samples(pus, wound swabs,tissue,Sputum,throat swab,Endotracheal Aspirates,Urine,Stool, Conjuctival swab, ear swab and High vaginal swab)	Culture	Automated
92	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Blood	Culture	Automated
93	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Blood	Culture	Manual- (aerobic) Streak plate method
94	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Body fluids - CSF, Pleural Fluid, Ascitic Fluid, Synovial Fluid, Pericardial Fluid, Broncho Alveolar Lavage (BAL), OtherAspirates , and Tissue.	Culture	Streak plate method (aerobic) - manual
95	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Body fluids 1. CSF 2. Pleural fluid 3. Ascitic fluid 4. Synovial fluid & other aspirates.	Culture	Streak plate method (aerobic) - Automated
96	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Conjunctival Swab	Culture	Streak plate method (aerobic) - manual
97	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Ear Swab	Culture	Streak plate method (aerobic) - manual
98	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	High vaginal swab/endocervical swab	Culture	Streak plate method (aerobic) - manual
99	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Other Clinical Samples (Urine, CSF, Pleural Fluid, Ascitic Fluid, Synovial Fluid, Pericardial Fluid, Broncho Alveolar Lavage (BAL), Other Aspirates)	Smear for Acid Fast Bacilli	Ziehl Neelsen Technique--Light Microscopy
100	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Pus swab	Culture	Streak plate method(aerobic) -manual

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Accreditation Standard ISO 15189:2022

Certificate Number MC-6022 **Page No** 5 of 6

Validity 29/09/2025 to 28/09/2029 **Last Amended on** -

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101	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Pus, Wound swabs, Tissue, Sputum, Throat swab, Endotracheal Aspirates, Stool, Conjunctival swab, Oropharyngeal , Nasopharyngeal swab, Urethral swab, Ear swab , Rectal swab, High vaginal swab, Endocervical swab, Semen ,Urine, CSF, Pleural Fluid, Ascitic Fluid, Synovial Fluid, Pericardial Fluid, Broncho Alveolar Lavage (BAL	Gram stain	Stain, Light Microscopy
102	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Rectal Swab	Culture	Streak plate method (aerobic) - manual
103	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Semen	Culture	Streak plate method (aerobic) - manual
104	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Anti HCV	Spot Method (Immunochromatography- Tridot)- manual
105	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	ASO	Latex agglutination Method -manual
106	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	CRP	Latex agglutination Method -manual
107	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Dengue IgG	Enzyme linked immunosorbent assay (ELISA)
108	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Dengue IgM	Enzyme linked immunosorbent assay (ELISA)
109	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Dengue NS1Ag	Enzyme linked immunosorbent assay (ELISA)
110	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HBsAg	Enzyme linked fluorescent assay method (ELFA)- Automated
111	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HbSAg	Enzyme linked immunosorbent assay Method (ELISA) - Semiautomated
112	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HBsAg	Spot Method (Immunochromatography)-manual
113	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV	Enzyme linked fluorescent assay method (ELFA)- Automated
114	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV	Enzyme linked immunosorbent assay Method (ELISA) - Semi automated
115	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV	Spot Method (Immunochromatography- Tridot) - manual
116	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Leptospira IgG/IgM Rapid test	Immunochromatographic method - manual
117	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	RA	Latex agglutination Method -manual
118	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	RPR	Flocculation Test -manual
119	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Syphilis (IgM & IgG)	Immunochromatographic method - manual

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Accreditation Standard ISO 15189:2022

Certificate Number MC-6022 **Page No** 6 of 6

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120	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Widal	Tube agglutination method - manual
121	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Sputum	Culture	Streak plate method-(aerobic) - manual
122	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Sputum	Smear for Acid Fast bacilli	Ziehl Neelsen Technique -Light Microscopy (direct/concentrated)
123	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Stool	Characteristic motility	Hanging drop for Vibrio cholerae-Manual
124	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Stool	Culture	Streak plate method (aerobic) - manual
125	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Stool	Wet mount	Saline mount, Iodine Mount- for ova/cyst/larval forms/segments-Manual
126	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Throat Swab	Culture	Streak plate method (aerobic) - manual
127	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Urethral swab	Culture	Streak plate method (aerobic) - manual
128	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Urine	Culture	Semi-quantitative standard loop streak-plate method. (aerobic) - manual
129	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Wound swab	Culture	Streak plate method (aerobic) -- manual
130	MOLECULAR TESTING	BLOOD	HCV RNA	RT PCR (Open system)
131	MOLECULAR TESTING	Oropharyngeal and Nasopharyngeal swab	SARS-CoV-2 RNA Qualitative	RT PCR (Open System)