



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**CENTRAL DIAGNOSTIC LABORATORY SERVICES, R L
JALAPPA HOSPITAL AND RESEARCH CENTER, UNIT OF
SRI DEVARAJ URS EDUCATIONAL TRUST FOR
BACKWARD CLASSES**

has been assessed and accredited in accordance with the standard

ISO 15189:2012

**"Medical laboratories - Requirements for quality and
competence"**

for its facilities at

TAMAKA, KOLAR, KARNATAKA, INDIA

in the field of

Medical Testing

Certificate Number: MC-2708

Issue Date: 13/04/2022

Valid Until:

12/04/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : SRI DEVARAJ URS EDUCATIONAL TRUST FOR BACKWARD CLASSES

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



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Last Amended on

10/09/2022

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	Serum	Glucose	Glucose oxidase/oxidase
2	CLINICAL BIOCHEMISTRY	serum	Potassium	Direct ISE Potentiometric
3	CLINICAL BIOCHEMISTRY	Serum	Albumin	Bromocressol green
4	CLINICAL BIOCHEMISTRY	Serum	Alkaline Phosphatase	P-nitrophenyl phosphate as substrate
5	CLINICAL BIOCHEMISTRY	Serum	ALT	Multi point Enzymatic by using LDH
6	CLINICAL BIOCHEMISTRY	Serum	Amylase	Dye Amylopectin
7	CLINICAL BIOCHEMISTRY	Serum	AST	Oxaloacetate Decarboxylase, Pyruvate Oxidase/Peroxidase
8	CLINICAL BIOCHEMISTRY	Serum	Bilirubin-BC	Dual wavelength - Reflectance spectrophotometry
9	CLINICAL BIOCHEMISTRY	Serum	Bilirubin-BU	Dual wavelength - reflectance spectrophotometry
10	CLINICAL BIOCHEMISTRY	Serum	Bilirubin-Total	Dual wavelength - Reflectance spectrophotometry
11	CLINICAL BIOCHEMISTRY	Serum	Calcium	Arsenazo III dye
12	CLINICAL BIOCHEMISTRY	Serum	Chloride	Direct -ISE Potentiometric
13	CLINICAL BIOCHEMISTRY	Serum	CK- MB	L-A-Glycerol phosphate oxidase/ peroxidase
14	CLINICAL BIOCHEMISTRY	Serum	CPK	L-A-Glycerol phosphate oxidase/oxidase/ peroxidase
15	CLINICAL BIOCHEMISTRY	Serum	Creatinine	Enzymatic method - Sarcosineoxidase/ Peroxidase
16	CLINICAL BIOCHEMISTRY	Serum	DTIBC	IronBinding:Dye & Transferrin
17	CLINICAL BIOCHEMISTRY	Serum	Ferritin	Immunometric
18	CLINICAL BIOCHEMISTRY	Serum	Folic acid	Chemiluminiscence
19	CLINICAL BIOCHEMISTRY	Serum	GGT	L-Gamma- Glutamyl-p - nitroanilideas substrat
20	CLINICAL BIOCHEMISTRY	Serum	HDL- Cholesterol	Non HDL Precipitation method
21	CLINICAL BIOCHEMISTRY	Serum	Inorganic Phosphorus	Fiske-Subbarow
22	CLINICAL BIOCHEMISTRY	Serum	iron	Two point rate:Dye Binding
23	CLINICAL BIOCHEMISTRY	serum	LDH	Multipoint rate:Pyruvate to Lactate
24	CLINICAL BIOCHEMISTRY	serum	Magnesium	FormazanDye
25	CLINICAL BIOCHEMISTRY	serum	Pseudo Cholinesterase	Butyrylthiocholine



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26	CLINICAL BIOCHEMISTRY	serum	Sodium	Direct ISE Potentiometric
27	CLINICAL BIOCHEMISTRY	serum	T3	Chemiluminescence
28	CLINICAL BIOCHEMISTRY	serum	T4	Chemiluminescence
29	CLINICAL BIOCHEMISTRY	Serum	Total Protein	Biuret
30	CLINICAL BIOCHEMISTRY	Serum	TotalCholesterol	Cholesterol oxidase - peroxidase
31	CLINICAL BIOCHEMISTRY	Serum	Transferrin	Immunochemistry chemical reaction
32	CLINICAL BIOCHEMISTRY	Serum	Triglycerides	Lipase, Glycerol kinase & peroxidase
33	CLINICAL BIOCHEMISTRY	Serum	TSH	Chemiluminescence
34	CLINICAL BIOCHEMISTRY	Serum	Urea	Enzymatic method - Urease
35	CLINICAL BIOCHEMISTRY	Serum	Uric acid	Enzymatic method - Uricase/ peroxidase
36	CLINICAL BIOCHEMISTRY	serum	Vit B12	Chemiluminescence
37	CLINICAL BIOCHEMISTRY	serum	Vit D	Chemiluminescence
38	CLINICAL BIOCHEMISTRY	Whole blood	Glycosylated Hb	HPLC
39	CLINICAL PATHOLOGY	Semen	Semen analysis (Volume, Total Sperm number, Viscosity/Liquefaction, Fructose, Morphology, Motility, pH, Vitality,)	Physical examination, Fructose - Seliwanoff's test, Morphology - Papanicolaou stain, Microscopy, pH - Litmus paper, Vitality - Eosin
40	CLINICAL PATHOLOGY	Urine	Colour, Appearance	Physical examination
41	CLINICAL PATHOLOGY	Urine	Bilirubin	Dipstick-Azo Coupling reaction
42	CLINICAL PATHOLOGY	Urine	Blood	Dipstick- Tetramethyl Benzidine reaction
43	CLINICAL PATHOLOGY	Urine	Glucose	Dipstick- Glucose oxidase peroxidase method
44	CLINICAL PATHOLOGY	Urine	Ketone bodies	Dipstick - sodium nitroprussidereaction
45	CLINICAL PATHOLOGY	Urine	Leukocytes	Dipstick- Derivatized pyrroleamino acid ester reaction
46	CLINICAL PATHOLOGY	Urine	Nitrites	Dipstick - P- Arsanilic acid reaction
47	CLINICAL PATHOLOGY	Urine	pH	Dipstick- Double indicator system
48	CLINICAL PATHOLOGY	Urine	Protein	Dipstick-Tetrabromophenol blue reaction
49	CLINICAL PATHOLOGY	Urine	Pus cells, Epithelial cells,casts, crystals, red cells,microorganisms	Microscopy



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50	CLINICAL PATHOLOGY	Urine	Specific gravity	Dipstick- Bromothymol blueindicator
51	CLINICAL PATHOLOGY	Urine	Urobilinogen	Dipstick- Modified Ehrlich reaction
52	CYTOPATHOLOGY	Fluids aspirated from Serosa Icavities, Urine, CSF	Exfoliating cytologyanalysis	Cellcount, Fluid appearance,centrifuges deposit using centrifuge, Smear preparation, stain withH&E , MGG. Microscopicevaluation and interpretivereport and recommendations if any
53	CYTOPATHOLOGY	Material obtained from palpable/non palpable lesions in the body	Fine Needle AspirationCytology	Obtaining representative material by aspiration/non aspiration technique, eitherasa blind procedure or under image guidance. Preparation of smears (air dried/ wet fixed). StainingwithMGG H&E / PAP and any other specialstainsas found necessary. Microscopicstudy of stained slideand interpretive, recommendations ifany
54	CYTOPATHOLOGY	Smears from Ecto/Endocervical/ Vagina	Pap smears	Obtaining representative materialfromthespecified sites using cytobrush and spatula. Preparation ofthe smearand fixation . Stainingwith Pap stain and microscopic examination oftheslides with interpretation ofthe report usingBethesda system. Recommendations ifany
55	HAEMATOLOGY	Bone Marrow Aspiration-EDTA/ Unstained smear	Bone marrowaspiratesmears	Leishman staining and Perlâ€™s stainingwith interpretation
56	HAEMATOLOGY	Citrate Whole Blood	ESR	Westergrens method (manual)
57	HAEMATOLOGY	Platelet Poor Plasma	Activated PartialThromboplastinTime	Photo Optic Clot detection
58	HAEMATOLOGY	Platelet Poor Plasma	ProthrombinTime	Photo optic clot detection
59	HAEMATOLOGY	Whole Blood	Basophil%	Automated Flow Cytometry
60	HAEMATOLOGY	Whole Blood	Eosinophils %	Automated Flow cytometry
61	HAEMATOLOGY	Whole Blood	Hematocrit	RBC Pulse Height detection
62	HAEMATOLOGY	Whole Blood	Hemoglobin	Cellcounter SLS method
63	HAEMATOLOGY	Whole Blood	Lymphocytes%	Automated Flow cytometry
64	HAEMATOLOGY	Whole Blood	MCH	Calculated
65	HAEMATOLOGY	Whole Blood	MCHC	Calculated



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66	HAEMATOLOGY	Whole Blood	MCV	Calculated
67	HAEMATOLOGY	Whole Blood	Monocytes %	Automated Flow cytometry
68	HAEMATOLOGY	Whole Blood	Neutrophils%	Automated Flow cytometry
69	HAEMATOLOGY	Whole Blood	Peripheral smear	Leishman staining and Microscopy
70	HAEMATOLOGY	Whole Blood	Platelets	Electrical Impedance with Flowcytometry
71	HAEMATOLOGY	Whole Blood	RBC count	Electrical Impedance
72	HAEMATOLOGY	Whole Blood	Reticulocyte count	Supravital staining with Brilliant cresyl blue and microscopy
73	HAEMATOLOGY	Whole Blood	Total Leucocyte count	Automated Flow cytometry
74	HISTOPATHOLOGY	Biopsy - Frozen section	Grossing, Processing, Microtomy Staining (H & E, Toluidine blue, PAP), (Conventional)	Light Microscopy with Interpretation
75	HISTOPATHOLOGY	Paraffin Blocks for second Opinion	Microtomy, H& E Staining (Conventional)	Light Microscopy, Interpretation
76	HISTOPATHOLOGY	Slides for second opinion	Stained / Unstained slides	Light Microscopy with Interpretation
77	HISTOPATHOLOGY	Small, Medium & Large tissues	Grossing, Decalcification, Processing. Paraffin embedding Microtomy, H & E Staining (Conventional)	Light Microscopy with Interpretation
78	HISTOPATHOLOGY	Tissue/ Paraffin block/ Unstained slide	PAS stain, ZN stain for AFB, Giemsa stain, Perl's stain for Iron, Alcian Blue stain	Light Microscopy with Interpretation
79	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	BAL, Tracheal aspirate, Urine	Aerobic Culture, Identification and Antimicrobial Susceptibility testing by Conventional methods	Semi quantitative: Standard Calibrated loop technique. Aerobic culture on appropriate media and biochemical identification. a) Conventional b) AST conventional; disc diffusion by Kirby Bauer method
80	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Blood, Bone Marrow	Aerobic culture in BacTAlert bottles, subculture on basic culture plates, identification and antimicrobial susceptibility testing by Conventional methods	Qualitative: Aerobic culture on appropriate media and biochemical identification. a) Conventional b) AST - Conventional Disc Diffusion by Kirby Bauer method
81	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	CSF	India ink	Light microscopy



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82	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Pus, Sputum, Stool, Sterile body fluids, CSF, Pleural fluid, synovial fluid, wound swab, throatswab, nasalswab	Aerobic culture and antimicrobial susceptibility testing by Conventional methods	Qualitative: Aerobic culture on appropriate media and biochemical identification. a) Conventional b) AST - Conventional Disc Diffusion by Kirby Bauer method
83	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Pus, Sputum, Urine, Cerebrospinal Fluid (CSF), Pleural Fluid, Pericardial Fluid, Ascitic Fluid, Peritoneal Fluid, Synovial Fluid, Secretions, FNAC, Surgical Biopsy, Aspirate	Zhiewell Neelsen staining	Light microscopy
84	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Pus, Sputum, Urine, Wound swab, Throat swab, Ascitic Fluid, CSF, Pleural Fluid, Nasal swab, Synovial Fluid, Pericardial Fluid, BAL, Endotracheal Secretions and Tracheal aspirate	Gram stain	Staining and light microscopy
85	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Anti HCV Antibody	Chemiluminescence
86	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Anti HCV Antibody	HCV Tridot (Rapid test) Immunochromatography
87	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Anti Leptospira	ELISA
88	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Anti Dengue IgM	ELISA
89	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Dengue Rapid (NSI/IGM/ IGG)	Immunochromatography
90	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HBsAg	Chemiluminescence
91	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HBsAg	Hepacard (Rapid test) immunochromatography
92	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV1 & 2 Antibodies	Aspen (Rapid test) immunochromatography
93	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV1 & 2 Antibodies	Chemiluminescence
94	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV1 & 2 Antibodies	HIV Tridot (Rapid test) immunochromatography
95	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	NSI antigen detection	ELISA
96	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	RPR	Slide Flocculation test



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97	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	TPHA	Slideagglutination test
98	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Widal	Tubeagglutination
99	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Stool	Hanging drop	Lightmicroscopy
100	MOLECULAR TESTING	Nasopharyngealswab / oropharyngealswab in VTM/ ET secretions / BAL in VTM	SARS CoV-2 RNA Qualitative Open system	Real Time RT PCR