



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

ASRAM CENTRAL LABORATORY, ALLURI SITARAMA RAJU ACADEMY OF MEDICAL SCIENCES(ASRAM), MALKAPURAM, WEST GODAVARI, NH-5, VIJAYAWADA VISAKHAPATNAM ROAD, ELURU, ANDHRA PRADESH, INDIA

Accreditation Standard ISO 15189:2012

Certificate Number MC-2501

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Validity 18/12/2021 to 17/12/2023

Last Amended on

17/02/2022

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	EDTA BLOOD	HbA1c	Turbidimetric Immuno Inhibition Method
2	CLINICAL BIOCHEMISTRY	Fluoride Plasma/Serum	Glucose	Hexokinase
3	CLINICAL BIOCHEMISTRY	Serum	Cholesterol (HDL)	CHE & CHO-POD Method
4	CLINICAL BIOCHEMISTRY	Serum	Albumin	Dye Binding Bromo Cresol Green
5	CLINICAL BIOCHEMISTRY	Serum	Alkaline Phosphatase	PNPP Kinetic - IFCC
6	CLINICAL BIOCHEMISTRY	Serum	Amylase	CNPG-3
7	CLINICAL BIOCHEMISTRY	Serum	Bilirubin (Direct)	Diazotization, DPD
8	CLINICAL BIOCHEMISTRY	Serum	Bilirubin (indirect)	Calculated
9	CLINICAL BIOCHEMISTRY	Serum	Bilirubin (Total)	Diazotization, DPD
10	CLINICAL BIOCHEMISTRY	Serum	Calcium	Arsenazo-III
11	CLINICAL BIOCHEMISTRY	Serum	Chloride	ISE Indirect
12	CLINICAL BIOCHEMISTRY	Serum	Cholesterol (LDL)	Calculated
13	CLINICAL BIOCHEMISTRY	Serum	Cholesterol Total	CHO-POD
14	CLINICAL BIOCHEMISTRY	Serum	Creatinine	Alkaline Picrate JAFFE'S Method
15	CLINICAL BIOCHEMISTRY	Serum	Globulin	Calculated
16	CLINICAL BIOCHEMISTRY	Serum	Iron	TPTZ(Color Test)
17	CLINICAL BIOCHEMISTRY	Serum	Magnesium	Colour Test (Xylidyl blue)
18	CLINICAL BIOCHEMISTRY	Serum	Phosphorous	Phospho molybdate, UV
19	CLINICAL BIOCHEMISTRY	Serum	Potassium	ISE Indirect
20	CLINICAL BIOCHEMISTRY	Serum	Protein (Total)	Biuret, Colorimetric Endpoint
21	CLINICAL BIOCHEMISTRY	Serum	SGOT (AST)	UV with P5P - IFCC
22	CLINICAL BIOCHEMISTRY	Serum	SGPT (ALT)	UV with P5P - IFCC
23	CLINICAL BIOCHEMISTRY	Serum	Sodium	ISE Indirect
24	CLINICAL BIOCHEMISTRY	Serum	Thyroid stimulating hormone (TSH)	CLIA
25	CLINICAL BIOCHEMISTRY	Serum	Thyroxine (T4)	CLIA
26	CLINICAL BIOCHEMISTRY	Serum	Triglycerides	GPO - PAP
27	CLINICAL BIOCHEMISTRY	Serum	Triiodothyronine (T3)	CLIA
28	CLINICAL BIOCHEMISTRY	Serum	Urea	Urease GLDH
29	CLINICAL BIOCHEMISTRY	Serum	Uric Acid	Uricase Colorimetric



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30	CLINICAL PATHOLOGY	Urine	pH	Mixed indicators displaying colour change
31	CLINICAL PATHOLOGY	Urine	Ascorbic acid	Tillman's reaction
32	CLINICAL PATHOLOGY	Urine	Bilirubin	Diazo Method (Coupling reaction of diazonium salt with bilirubin)
33	CLINICAL PATHOLOGY	Urine	Blood	Pseudo enzymatic test (Peroxidase effect of hemoglobib & myoglobin)
34	CLINICAL PATHOLOGY	Urine	Chemical examinationKetone Bodies	Legal's method (Nitroprusside Method)
35	CLINICAL PATHOLOGY	Urine	Colour & clarity	Light scatter method
36	CLINICAL PATHOLOGY	Urine	Glucose	Double Sequential Enzymatic / GOD - POD
37	CLINICAL PATHOLOGY	Urine	Microscopy	Digital Flow Morphology Technology and Auto-Particle recognition(APR)
38	CLINICAL PATHOLOGY	Urine	Nitrite	Modified griess mehod
39	CLINICAL PATHOLOGY	Urine	Protein	Protein Error of Indicators (Dye binding test)
40	CLINICAL PATHOLOGY	Urine	Specific gravity	Refractometry (refractive index measurement)
41	CLINICAL PATHOLOGY	Urine	Urobilinogen	Coupling reaction with Fluorodiazonium tetrafluoroborate/Modified Ehrlich Reaction
42	HAEMATOLOGY	EDTA blood	Basophils	Flowcytometry / Microscopy
43	HAEMATOLOGY	EDTA blood	Eosinophils	Flowcytometry / Microscopy
44	HAEMATOLOGY	EDTA blood	Haemoglobin	SLS - Hb Method
45	HAEMATOLOGY	EDTA blood	HCT	Autocalculation by RBC & MCV
46	HAEMATOLOGY	EDTA blood	Lymphocytes	Flowcytometry / Microscopy
47	HAEMATOLOGY	EDTA blood	MCH	Autocalculation by Haemoglobin and RBC
48	HAEMATOLOGY	EDTA blood	MCHC	Autocalculation by Haemoglobin and PCV
49	HAEMATOLOGY	EDTA blood	MCV	Mean of RBC volume Histogram
50	HAEMATOLOGY	EDTA blood	Monocytes	Flowcytometry / Microscopy
51	HAEMATOLOGY	EDTA blood	Neutrophils	Flowcytometry / Microscopy
52	HAEMATOLOGY	EDTA blood	Peripheral Smear	Microscopy Leishman's Stain



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53	HAEMATOLOGY	EDTA blood	Platelet Count	Flowcytometry Light Scattering/ Electrical Impedence
54	HAEMATOLOGY	EDTA blood	RBC Count	Flowcytometry Light Scattering/ Electrical Impedence
55	HAEMATOLOGY	EDTA blood	RDW-CV	Autocalculation by RBC Volume Histogram and MCV
56	HAEMATOLOGY	EDTA blood	RDW-SD	Autocalculated based on both the width of the distribution curve and the mean cell size
57	HAEMATOLOGY	EDTA blood	Reticulocyte Count	Brilliant cresyl blue
58	HAEMATOLOGY	EDTA blood	WBC Count	Flowcytometry Light Scattering/ Impedence
59	HAEMATOLOGY	Sodium citrate blood	ESR	Modified Westergreen's
60	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Anti Streptolysin 'O' (ASO)	Latex Slide Agglutination
61	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	C-Reactive Protein	Latex Slide Agglutination
62	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Dengue NS1 Antigen, IgM, IgG	Rapid Immuno Chromatography
63	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Hepatitis B surface Antigen (HbsAg)	Rapid Immuno Chromatography
64	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Hepatitis C Virus Antibodies (HCV)	Immune Complex Dot (TRIDOT)
65	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV I & II Antibodies	COMB AIDS - Immuno dot Assay
66	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV I & II Antibodies	Immune complex dot (TRIDOT)
67	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV I & II Antibodies	Rapid Immuno Chromatography (Retroquic)
68	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Rapid Malaria AntigenF line - PflDH for P.falciparum.P-line - PLDH for P.Vivax/P.malariae/P.ovale	Rapid Immuno Chromatography
69	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Rheumatoid Factor	Latex Slide Agglutination
70	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Toluidine Red Unheated Serum Test - TRUST	Slide Flocculation
71	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Widal Test	Slide/Tube Agglutination



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72	MOLECULAR TESTING	Blood	HIV RNA Qualitative	Real Time RT PCR (Open System)
73	MOLECULAR TESTING	Naso/ Oro pharyngeal swab in VTM/ ET secretions/BAL in VTM	SARS CoV-2 RNA Qualitative	Real Time RT-PCR Open System

