



International Quality And Accreditation Services Pvt. Ltd.

(Formerly International Quality And Accreditation Services LLP)

25/33, 2nd Floor, East Patel Nagar New Delhi, 110008

Scope of Accreditation for Medical Testing

As per ISO 15189:2022

CAB Name: SPECTRUM LABORATORY/GERSHWIN
DIAGNOSTICS PRIVATE LIMITED
Address: 5th floor, Manish Commercial Centre, Dr. A.B. Road
Worli, Mumbai – 400030, Maharashtra, India
Certificate No.: M-0004

Page No. 1 of 7

Issue date: 23.12.2025

Validity: 04.10.2028

Amendment date: NA

Sr. No.	Parameter / Materials / Products tested	Type of Test/Properties measured/Range of measurement	Standard specifications / Equipment/Techniques used	Facility
Discipline: Clinical Biochemistry				
1	Serum / plasma	Glucose (20 - 625 mg/dL)	Glucose Oxidase	Permanent
2	Serum	Creatinine (0.05 - 14.0 mg/dL)	Enzymatic Method	Permanent
3	Serum	Urea Nitrogen/ BUN (2-120 mg/dL)	Urease End point technique	Permanent
4	Serum	Uric Acid (0.5 -17 mg/dL)	Enzymatic uricase / peroxidase	Permanent
5	Serum	Cholesterol (50 - 325 mg/dL)	Enzymatic using cholesterol oxidase and ester hydrolase & peroxidase	Permanent
6	Serum	D-HDL Cholesterol (5 - 110 mg/dL)	Non-HDL precipitation method followed by enzymatic detection.	Permanent
7	Serum	Triglycerides (10 - 525 mg/dL)	Combination of enzymes LIP& GK; GPO / POD	Permanent
8	Serum	Calcium (1 - 14 mg/dL)	Arsenazo Method	Permanent
9	Serum	Total Bilirubin (0.1 - 27.0 mg / dL)	Modification of classic Diazo reaction using Dyphylline	Permanent
10	Serum	Bu(Unconjugated/ Indirect bilirubin) (0.0 – 27.0 mg/dL)	Modified Jendrassik Grof method	Permanent
11	Serum	Bc(Conjugated/ Direct Bilirubin)	Calculated	Permanent
12	Serum	Aspartate Amino Transferase (AST/SGOT) (3 - 750 U/L)	UV method using coenzyme pyridoxal-5-phosphate(P5P)	Permanent
13	Serum	Alanine Amino Transferase (ALT/SGPT) (6 - 1000 U/L)	UV method using coenzyme pyridoxal-5-phosphate(P5P)	Permanent
14	Serum	Alkaline Phosphatase (ALKP) (20 - 1500 U/L)	Method by Bowers and Mc Comb using p-NPP	Permanent
15	Serum	Gamma Glutamyl Transpeptidase (GGT) (10 - 1400 U/L)	Using γ-glutamyl-4-nitroanilide technique	Permanent



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Sr. No.	Parameter / Materials / Products tested	Type of Test/Properties measured/Range of measurement	Standard specifications / Equipment/Techniques used	Facility
16	Serum	Total Protein (2 - 11 gm/dL)	Biuret End point reaction	Permanent
17	Serum	Albumin (1.0 – 6.0 gm /dL)	Bromcresol Green Dye Binding method	Permanent
18	Serum	Globulin	Calculated	Permanent
19	Serum	LDL	Calculated (Friedwald's)	Permanent
20	Serum	VLDL	Calculated (Friedwald's)	Permanent
21	Serum	Sodium (75 – 250 mmol/L)	ISE Direct	Permanent
22	Serum	Potassium (1 – 14 mmol/L)	ISE Direct	Permanent
23	Serum	Chloride (50 – 175 mmol/L)	ISE Direct	Permanent
24	Serum	Phosphorous (0.5 – 13.0 mg/dL)	Ammonium Molybdate method	Permanent
25	Whole Blood	Glycated hemoglobin (HbA1c) (2.7% - 19.7 %)	HPLC	Permanent
26	Serum	Total T3 (Total Triiodothyronine) (10 – 800 ng/dL)	Competitive Immunoassay using Direct Chemiluminescent technology	Permanent
27	Serum	Total T4 (Total Thyroxine) (0.3 – 30 µg/dL)	Competitive Immunoassay using Direct Chemiluminescent technology	Permanent
28	Serum	TSH (Thyroid Stimulating Hormone) (0.010 – 150 µIU/ml)	Sandwich Immunoassay using Direct Chemiluminescent technology	Permanent
29	Serum	PSA (Prostate Specific Antigen) (0.01 – 100 ng/ml)	Sandwich Immunoassay using Direct Chemiluminescent technology	Permanent
30	Serum	Vitamin B12 (45 – 2000 pg/ml)	Competitive Immunoassay using Direct Chemiluminescent technology	Permanent



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Sr. No.	Parameter / Materials / Products tested	Type of Test/Properties measured/Range of measurement	Standard specifications / Equipment/Techniques used	Facility
31	Serum	Vitamin D (Total) (3.7 – 150 ng/ml)	Chemiluminescent Assay	Permanent
32	Serum	Free T3 (0.88 – 30.0 pg/ml)	Competitive Immunoassay	Permanent
33	Serum	Free T4 (0.25 – 6.0 ng/dL)	Competitive Immunoassay	Permanent
34	Serum	Luteinizing Hormone (LH) (0.2 – 250 mIU/ml)	Sandwich Immunoassay	Permanent
35	Serum	Follicle-Stimulating Hormone (FSH) (0.2 – 200 mIU/ml)	Sandwich Immunoassay	Permanent
36	Serum	Prolactin (PRL) (0.25 – 200 ng/ml)	Chemiluminescent Assay	Permanent
37	Serum	Insulin (0.03 – 300 µIU/ml)	Sandwich Immunoassay	Permanent
38	Serum	Human Chorionic Gonadotropin (HCG) (0.5 – 1000 mIU/ml)	Sandwich Immunoassay	Permanent
39	Serum	Carcinoembryonic Antigen (CEA) (0.1 – 1000 ng/ml)	Sandwich Immunoassay	Permanent
40	Serum	CA125 (0.5 – 5000 U/ml)	Sandwich Immunoassay	Permanent
41	Serum	CA 19.9 (0.8 – 2000 U/ml)	Chemiluminescent Assay	Permanent
42	Serum	Alpha-Fetoprotein (AFP) (0.5 – 3000 ng/ml)	Sandwich Immunoassay	Permanent
43	Serum	Immunoglobulin E (IgE) (5.7 – 1500 IU/ml)	Immunoturbidimetric Assay	Permanent
Discipline: Clinical Pathology				Permanent
44	Urine	Physical Examination (Colour)	Visual	Permanent
45	Urine	Physical Examination (Volume)	Measuring Cylinder	Permanent
46	Urine	Chemical Examination (pH) (5-8)	pH indicator principle	Permanent
47	Urine	Chemical Examination (Specific Gravity)	Polymeric ionic exchanger	Permanent



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48	Urine	Chemical Examination (Albumin)	Dye binding indicator	Permanent
49	Urine	Chemical Examination (Occult blood)	Peroxidase activity	Permanent
50	Urine	Chemical Examination (Glucose)	Glucose oxidase	Permanent
51	Urine	Chemical Examination (Ketones)	Nitroprusside test	Permanent
52	Urine	Chemical Examination (Urobilinogen)	Modified Ehrlich reaction	Permanent
53	Urine	Chemical Examination (Bile Pigments)	Faucher's reaction	Permanent
54	Urine	Chemical Examination (Bile salts)	Hay's sulphur flower test	Permanent
55	Urine	Microscopic Examination after centrifugation (Pus Cells) (leukocytes)	Microscopy	Permanent
56	Urine	Microscopic Examination after centrifugation (Epithelial Cells)	Microscopy	Permanent
57	Urine	Microscopic Examination after centrifugation (Red Cells)	Microscopy	Permanent
58	Urine	Microscopic Examination after centrifugation (Casts)	Microscopy	Permanent
59	Urine	Microscopic Examination after centrifugation (Crystals)	Microscopy	Permanent
60	Urine	Microscopic Examination after centrifugation (Miscellaneous will include yeast, parasites and bacteria.)	Microscopy	Permanent
61	Urine	Pregnancy Test	Detection of Beta HCG	Permanent
62	Stool	Physical Examination (Colour)	Visual	Permanent
63	Stool	Physical Examination (form)	Visual	Permanent



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64	Stool	Chemical Examination (Occult Blood)	Haemtest™ Kit (Non- Benzidine Kit)	Permanent
65	Stool	Chemical Examination (pH)	pH indicator paper	Permanent
66	Stool	Microscopic Examination (Pus Cells)	Microscopy of Saline and Iodine smears	Permanent
67	Stool	Microscopic Examination (Epithelial Cells)	Microscopy of Saline and Iodine smears	Permanent
68	Stool	Microscopic Examination (Red Cells)	Microscopy of Saline and Iodine smears	Permanent
69	Stool	Microscopic Examination (Ova)	Microscopy of Saline and Iodine smears	Permanent
70	Stool	Microscopic Examination (Cysts)	Microscopy of Saline and Iodine smears	Permanent
71	Stool	Concentration method (Ova)	Microscopy after Formalin – Ether sedimentation method	Permanent
72	Stool	Concentration method (Others)	Microscopy after Formalin – Ether sedimentation method	Permanent
Discipline: Haematology				Permanent
73	EDTA Whole Blood	Haemoglobin (0.0 – 30.0 g/dL)	Sysmex XN 1000 Photometry	Permanent
74	EDTA Whole Blood	Red Blood Cells Count (0.00 - 10.00 x10 ⁶ / µL)	Sysmex XN 1000 Electrical Impedance	Permanent
75	EDTA Whole Blood	Packed Cell Volume (PCV or Hematocrit) (0.0 - 80.0 HCT %)	Sysmex XN 1000 Electrical Impedance	Permanent
76	EDTA Whole Blood	Indices	Sysmex XN 1000 Calculation	Permanent



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Sr. No.	Parameter / Materials / Products tested	Type of Test/Properties measured/Range of measurement	Standard specifications / Equipment/Techniques used	Facility
77	EDTA Whole Blood	White Blood Cells Count (0.0 - 100.0 x103/ μ L)	Sysmex XN 1000 Flow cytometry	Permanent
78	EDTA Whole Blood	Platelets (0.0-1500.0 x103/ μ L)	Sysmex XN 1000 Electrical Impedance	Permanent
79	EDTA Whole Blood	Differential Count (0 – 100 %)	Sysmex XN 1000 Flow cytometry	Permanent
80	EDTA Whole Blood	Other parameters RDW PDW P-LCR	Sysmex XN 1000 Electrical Impedance	Permanent
81	EDTA Whole Blood	Erythrocyte Sedimentation Rate (ESR)	Capillary Photometry	Permanent
82	EDTA Whole Blood	Blood Grouping	Tube agglutination	Permanent
83	EDTA Whole Blood	Blood Rh factor	Tube agglutination	Permanent
84	Citrated Plasma	Prothrombin Time (PT) (0 – 120 Seconds)	Tissue Thromboplastin in presence of Calcium initiating clotting mechanism	Permanent
85	EDTA Whole Blood	Glucose-6- Phosphate Dehydrogenase (G6PD)	Dye decolouration using indophenol dye	Permanent
Discipline: Microbiology & Infectious Disease Serology				
86	Serum	Hepatitis B surface antigen (HBsAg) (Reactive / Non-Reactive)	Immunochromatographic assay for the detection of Hepatitis B Surface Antigen	Permanent
87	Serum	Venereal Disease Research Laboratory Test (VDRL) (Reactive / Non-Reactive)	Detection of Anti-lipoidal antibodies by flocculation method	Permanent
88	Serum	Widal (Reactive / Non-Reactive)	Antigen - Antibody reaction	Permanent



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89	Serum	Anti-hepatitis C virus (Anti-HCV) (Reactive / Non-Reactive)	Immunochromatographic assay for the detection of Hepatitis C virus	Permanent



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