



**INTERNATIONAL QUALITY AND
ACCREDITATION SERVICES PRIVATE LIMITED**
(Formerly International Quality And Accreditation Services LLP)

Scope of Accreditation for Medical Testing

As per ISO 15189:2012

Page No. 1 of 8

CAB Name : Medilabs Diagnostics Laboratory
Address : PMC XIX/585A, A1, 585B, B1, and B2, Opp. Police station, Payyanur, Kannur –
670307 Kerala (India)

Certificate No: M-0006

Issue date : 27.06.2024

Validity : 26.06.2025

Amendment date : NA

Medical Testing

| Sr. No. | Parameter / Materials / Products tested | Type of Test/Properties measured/Range of measurement | Standard specifications / Equipment/Techniques used |
|--|---|---|---|
| Facility: Permanent | | | |
| Discipline: Clinical Biochemistry | | | |
| 1 | EDTA Whole Blood | HbA1C (3.5 % to 19 %) | High-Performance Liquid Chromatography (HPLC) |
| 2 | Serum | A/G Ratio (Calculated) | Calculated |
| 3 | Serum | Alanine Amino Transferase (ALT/SGPT) (03 IU/L to 500 IU/L) | UV Kinetic-IFCC without Pyridoxal Phosphate |
| 4 | Serum | Albumin (1.5 g/dL to 6.0 g/dL) | Colorimetric - Bromo- Cresol Green |
| 5 | Serum | Alkaline Phosphatase (05 U/L to 1500 U/L) | UV Kinetic - IFCC (p- Nitrophenyl Phosphate, AmpBuffer) |
| 6 | Serum | Amylase (10 IU/L to 2000 IU/L) | CNPG3 Method-IFCC |
| 7 | Serum | Aspartate Amino Transferase (AST/SGOT) (03 IU/L to 1000 IU/L) | UV Kinetic-IFCC without Pyridoxal Phosphate |
| 8 | Serum | Bilirubin, Direct (0.1 mg/dL to 10 mg/dL) | Colorimetric-End Point- DPD method |
| 9 | Serum | Bilirubin, Total (0.1 mg/dL to 30 mg/dL) | Colorimetric-End Point- DPD method |

Ratan Singh Rana
Director, IQAS

Regd. Office: No. 307/20, 2nd Lane No. 5A, Ranjit Nagar, New Delhi 110008, India



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|---------|---|---|--|
| 10 | Serum | Blood Urea Nitrogen (BUN) (Calculated) | Calculated |
| 11 | Serum | Calcium (04 mg/dL to 20 mg/dL) | Colorimetric - Arsenazo Method |
| 12 | Serum | CHOL/HDL Ratio (Calculated) | Calculated |
| 13 | Serum | Cholesterol, Total (20 mg/dL to 700 mg/dL) | Colorimetric - Cholesterol Oxidase/Peroxidase Method |
| 14 | Serum | Creatinine (0.05 mg/dL to 50 mg/dL) | Enzymatic Kinetic-IFCC |
| 15 | Serum | Direct LDL (10 mg/dL to 400 mg/dL) | Cholesterol Esterase Method |
| 16 | Serum | Gamma glutamyl transferase (GGT) (10 U/L to 1400 U/L) | Multipoint Rate - L- γ - glutamyl-p-nitroanilide |
| 17 | Serum | Globulin (Calculated) | Calculated |
| 18 | Serum | Glucose (10 mg/dL to 800 mg/dL) | Hexokinase Method |
| 19 | Serum | HDL Cholesterol (02 mg/dL to 180 mg/dL) | Colorimetric: Enzymatic Immuno-inhibition |

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|---------|---|---|---|
| 20 | Serum | Iron (10 µg/dL to 1000 µg/dL) | Colorimetric-End Point- TPTZ method |
| 21 | Serum | LDL Cholesterol (Calculated) | Calculated |
| 22 | Serum | Non-HDL Cholesterol (Calculated) | Calculated |
| 23 | Serum | Phosphorous (Inorganic) (01 mg/dL to 20 mg/dL) | UV Photometric - Phosphomolybdate Formation |
| 24 | Serum | Protein, Total (03 g/dL to 12 g/dL) | Colorimetric - Biuret Method |
| 25 | Serum | T3 Total (Triiodothyronine) (10 ng/dL to 800 ng/dL) | Chemiluminescence Immunoassay (CLIA) |
| 26 | Serum | T4, Total (Thyroxine) (0.5 µg/dL to 30 µg/dL) | Chemiluminescence Immunoassay (CLIA) |
| 27 | Serum | Triglycerides (10 mg/dL to 1000 mg/dL) | Colorimetric End point. GPO-POD method |
| 28 | Serum | TSH (Thyroid Stimulating Hormone) (0.005 µIU/mL to 50 µIU/mL) | Chemiluminescence Immunoassay (CLIA) |
| 29 | Serum | Urea (05 mg/dL to 300) | Endpoint/Colorimetric – Urease |

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| | | mg/dL) | |
| 30 | Serum | Uric Acid (1.5 mg/dL to 30 mg/dL) | Colorimetric - Uricase, Peroxidase |
| 31 | Serum | VLDL (Calculated) | Calculated |
| Discipline: Clinical Pathology | | | |
| 32 | Urine | Cells (Microscopy) | Microscopy |
| 33 | Urine | Bacteria (Microscopy) | Microscopy |
| 34 | Urine | Bile Pigment (Manual) | Fouchet's Method |
| 35 | Urine | Bile Salt (Manual) | Hay's Test |
| 36 | Urine | Bilirubin (Qualitative :Negative to 3+) | Dichloroaniline Diazonium Salt Method / Biochemical |
| 37 | Urine | Blood (Qualitative :Negative to 3+) | Tetramethylbenzidine(TMB) Method / Biochemical |
| 38 | Urine | Casts (Microscopy) | Microscopy |
| 39 | Urine | Color/Appearance (Macroscopy) | Macroscopy |
| 40 | Urine | Crystal (Microscopy) | Microscopy |
| 41 | Urine | Glucose (Qualitative :Negative to 4+) | Glucose Oxidase Peroxidase / Biochemical |

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|--------------------------------|---|---|---|
| 42 | Urine | Ketones (Qualitative :Negative to 3+) | Sodium Nitroprusside Method / Biochemical |
| 43 | Urine | Leucocytes (Negative to 3+) | Derivatized Phenylpyrrole and Diazonium Salt Method / Biochemical |
| 44 | Urine | Nitrite (Qualitative :Negative to Positive) | p-arsanilic Acid Method / Biochemical |
| 45 | Urine | pH (Qualitative :5.0 to 9.0) | Methyl Red and Bromthymol Blue Method / Biochemical |
| 46 | Urine | Protein (Qualitative :Negative to 4+) | Tetra-bromophenol blue / Biochemical |
| 47 | Urine | RBC (Microscopy) | Microscopy |
| 48 | Urine | Specific Gravity (Qualitative :1.000 to 1.030) | Bromothymol Blue Indicator Method / Biochemical |
| 49 | Urine | Urobilinogen (Qualitative :Normal to 4+) | p- diethylaminobenzaldehyde Method Method / Biochemical |
| Discipline: Haematology | | | |
| 50 | EDTA Whole Blood | Absolute Monocytes Count (200 Cells to 1000 Cells) | Flow Cytometry Principle/ Smear By Leishman's Stain Method |

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|---------|---|---|--|
| 51 | EDTA Whole Blood | Absolute Neutrophils Count (2000 Cells to 7000 Cells) | Flow Cytometry Principle/ Smear By Leishman's Stain Method |
| 52 | EDTA Whole Blood | Basophils % (00 Cells/cu.mm to 100 Cells/cu.mm) | Flow Cytometry Principle/ Smear By Leishman's Stain Method |
| 53 | EDTA Whole Blood | Eosinophils % (00 Cells/cu.mm to 100 Cells/cu.mm) | Flow Cytometry Principle/ Smear By Leishman's Stain Method |
| 54 | EDTA Whole Blood | Haemoglobin (Hb) (00 g/dL to 24 g/dL) | Cyanmethemoglobin Method |
| 55 | EDTA Whole Blood | Hematocrit (HCT) (00 % to 67 %) | Calculated |
| 56 | EDTA Whole Blood | Lymphocytes % (00 Cells/cu.mm to 100 Cells/cu.mm) | Flow Cytometry Principle/ Smear By Leishman's Stain Method |
| 57 | EDTA Whole Blood | Mean Corpuscular Hemoglobin (MCH) (Calculated) | Calculated |

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|---------|---|--|--|
| 58 | EDTA Whole Blood | Hemoglobin Concentration (MCHC) (Calculated) | Calculated |
| 59 | EDTA Whole Blood | Mean Corpuscular Volume (MCV) (Calculated) | Calculated |
| 60 | EDTA Whole Blood | Mean platelet volume (MPV) (Calculated) | Calculated |
| 61 | EDTA Whole Blood | Monocytes % (00 Cells/cu.mm to 100 Cells/cu.mm) | Flow Cytometry Principle/ Smear By Leishman's Stain Method |
| 62 | EDTA Whole Blood | Neutrophils % (00 Cells/cu.mm to 100 Cells/cu.mm) | Flow Cytometry Principle/ Smear By Leishman's Stain Method |
| 63 | EDTA Whole Blood | Platelet (00 x 10 ³ /μL to 1900 x 10 ³ /μL) | Electrical Impedance |
| 64 | EDTA Whole Blood | RBC Distribution Width (RDW) CV (Calculated) | Calculated |
| 65 | EDTA Whole Blood | Red Blood Cells (RBC) Count (0x10 ⁶ /μL to 8 x 10 ⁶ /μL) | Electrical Impedance |

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|---------|---|---|--|
| 66 | EDTA Whole Blood | White Blood Cells (WBC) Count (00 x 10 ³ /μL to 120 x 10 ³ /μL) | Electrical Impedance |
| 67 | EDTA Whole Blood | Absolute Basophils Count (20 Cells to 100 Cells) | Flow Cytometry Principle/ Smear By Leishman's Stain Method |
| 68 | EDTA Whole Blood | Absolute Eosinophils Count (20 Cells to 500 Cells) | Flow Cytometry Principle/ Smear By Leishman's Stain Method |
| 69 | EDTA Whole Blood | Absolute Lymphocytes Count (1000 Cells to Cells 3000) | Flow Cytometry Principle/ Smear By Leishman's Stain Method |
| 70 | Whole Blood | Erythrocyte Sedimentation Rate (ESR) (00 mm/hour to 130 mm/hour) | Modified Westergren's Method |

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