



Valid from 07 July 2023  
to 04 December 2025  
Issued on 07 July 2023

As an accredited laboratory, this laboratory is entitled to  
use the following accreditation symbol.



**ISO 15189**  
**ML 040-01**

## Schedule of Accreditation

Accreditation Scheme for Medical/Clinical Laboratories  
Sri Lanka Accreditation Board for Conformity Assessment  
Accreditation Number: ML 040-01

**Melsta Labs (Pvt.) Ltd.**  
**No. 01, Geethanjali Place,**  
**Colombo 03**

**Scope of Accreditation:** Performing Medical testing under the fields of Clinical Biochemistry / Chemical Pathology, Clinical Pathology, Haematology and Microbiology /Serology

The laboratory is accredited for the following tests.

| Sl | Field of Testing                             | Test                      | Test Method                               | Test Instrument | Linearity range   |
|----|--|---------------------------|---|-----------------|-------------------|
| 01 | Clinical Biochemistry/<br>Chemical Pathology | Total Cholesterol (Serum) | Cholesterol oxidase, esterase, peroxidase | Cobas C311      | 9.7 - 800 mg/dL   |
|    |  | Cholesterol-HDL (Serum)   | Enzymatic IFCC-IDMS standardized          |                 | 3.09 - 150 mg/dL  |
|    |  | Creatinine (Serum)        |   |                 | 0.06 – 30.5 mg/dL |
|    |  | Triglycerides (Serum)     | Enzymatic, endpoint                       |                 | 8.85 – 885 mg/dL  |
|    |  | Sodium (Serum)            | ISE Indirect method                       |                 | 80 – 180 mmol/L   |
|    |  | Potassium (Serum)         |   |                 | 1.5 – 10.0 mmol/L |
|    |  | Chloride (Serum)          |   |                 | 60 – 140 mmol/L   |
|    |  | Glucose (Plasma)          | Hexokinase method                         |                 | 2 – 750 mg/dL     |
|    |  | TSH (Serum)               | Electroluminescence method                | Cobas E411      | 0.005-100 μIU/mL  |
|    |  | FT4 (Serum)               |   |                 | 0.5 -100 ng/dL    |

| Sl | Field of Testing   | Test                     | Test Method  | Test Instrument | Linearity range         |
|----|--------------------|--------------------------|--|-----------------|-------------------------|
| 02 | Haematology        | Full Blood Count         |  |                 |                         |
|    |                    | Hb                       | SLS Hb method  | Sysmex XN 550   | 0.1 to 26.0 g/dL        |
|    |                    | RBC                      | Hydrodynamic focusing dc detection method                  |                 | 0.01 to 8.60            |
|    |                    | WBC                      | Flow cytometry   |                 | 0.03 to 440.0           |
|    |                    | DC                       |  |                 | 0.03 to 440.00          |
|    |                    | Platelet                 | Hydrodynamic focusing dc detection method                  |                 | 2 to 5000               |
|    |                    | HCT                      | RBC plus height RBC detection method                       |                 | 0.1 to 75.0             |
|    |                    | MCV                      | Calculated   |                 | -                       |
|    |                    | MCH                      |  |                 | -                       |
|    |                    | MCHC                     |  |                 | -                       |
|    |                    | PT                       | Clotting method  | CA 660          | 100 seconds             |
|    |                    | APTT                     |  |                 |                         |
| 03 | Clinical Pathology | Urine full report        |  |                 |                         |
|    |                    | Biochemical strip method | Diagnostic Strips for Urinalysis<br><br>SD Urocolour strip | N/A             |                         |
|    |                    | Protein                  |  |                 | Nil- >400mg/dl          |
|    |                    | Glucose                  |  |                 | Neg- >2000mg/dl         |
|    |                    | Urobilinogen             |  |                 | Normal-Increased        |
|    |                    | Ketones                  |  |                 | Not detected – Detected |
|    |                    | Nitrites                 |  |                 | Not detected – Detected |
|    |                    | PH                       |  |                 | 5 – 9                   |
|    |                    | Specific Gravity         |  |                 | 1.005-1.030             |
|    |                    | Leucocytes               |  |                 | Not seen - >100Hpf      |
|    |                    | RBC                      |  |                 | Not seen - >100Hpf      |
|    |                    | Bilirubin                |  |                 | Negative – Positive     |
|    |                    | Microscopic Examination  | Seen under Microscope                                      | N/A             |                         |
|    |                    | Pus cells                |  |                 | Not seen - >100 HPF     |
|    |                    | Red blood cells          |  |                 | Not seen - >100 HPF     |
|    |                    | Casts                    |  |                 | Not seen - >10 LPF      |
|    |                    | Crystals                 |  |                 | Not seen - Heavy HPF    |
|    |                    | Bacteria (if present)    |  |                 | Very few - Heavy        |

| Sl   | Field of Testing   | Test       | Test Method   | Test Instrument | Linearity range   |  |  |  |                         |       |       |          |         |         |               |           |          |            |         |         |
|--|--|------------|---|-----------------|---|--|--|--|-------------------------|-------|-------|----------|---------|---------|---------------|-----------|----------|------------|---------|---------|
| 04   | Microbiology/<br>Serology  | Gram Stain | Preston and Morrells (1962) modified Lillies method | Microscope      | <table><tr><th>Count</th><th>Enumeration of cells under low power (X10) objective</th><th>Enumeration of bacteria under oil immersion objective (X100)</th></tr><tr><td>1+ (rare or occasional)</td><td>1/LPF</td><td>1/OIF</td></tr><tr><td>2+ (Few)</td><td>1-9/LPF</td><td>1-5/OIF</td></tr><tr><td>3+ (moderate)</td><td>10-25/LPF</td><td>6-30/OIF</td></tr><tr><td>4+ (heavy)</td><td>&gt;25/LPF</td><td>&gt;30/OIF</td></tr></table> | Count  | Enumeration of cells under low power (X10) objective         | Enumeration of bacteria under oil immersion objective (X100) | 1+ (rare or occasional) | 1/LPF | 1/OIF | 2+ (Few) | 1-9/LPF | 1-5/OIF | 3+ (moderate) | 10-25/LPF | 6-30/OIF | 4+ (heavy) | >25/LPF | >30/OIF |
|  |  |            |   |                 | Count   | Enumeration of cells under low power (X10) objective | Enumeration of bacteria under oil immersion objective (X100) |  |                         |       |       |          |         |         |               |           |          |            |         |         |
|  |  |            |   |                 | 1+ (rare or occasional)   | 1/LPF  | 1/OIF  |  |                         |       |       |          |         |         |               |           |          |            |         |         |
|  |  |            |   |                 | 2+ (Few)  | 1-9/LPF  | 1-5/OIF  |  |                         |       |       |          |         |         |               |           |          |            |         |         |
|  |  |            |   |                 | 3+ (moderate)   | 10-25/LPF  | 6-30/OIF   |  |                         |       |       |          |         |         |               |           |          |            |         |         |
|  |  | 4+ (heavy) | >25/LPF   | >30/OIF         |   |  |  |  |                         |       |       |          |         |         |               |           |          |            |         |         |
| LPF- Low power field<br>OIF- Oil immersion field |  |            |   |                 |   |  |  |  |                         |       |       |          |         |         |               |           |          |            |         |         |
| Urine Culture & ABST                             | Semi-quantitative culture technique,<br>Identify the organisms using physiological, morphological, and chemical characterization. And then determine how to treat the infection by performing an antibiotic sensitivity test with the disc diffusion method.<br><br>Reference Material:<br>Laboratory manual in Microbiology, 2nd. Edition, MRI<br>Cowan and Steel’s Manual for the Identification of Medical Bacteria, 3rd. edition<br>CLSI Guidelines (M100)<br>Henry D. Isenberg Clinical Microbiology Handbook, 3rd. edition | Manual     |   |                 |   |  |  |  |                         |       |       |          |         |         |               |           |          |            |         |         |
|  |  |            |   |                 |   |  |  |  |                         |       |       |          |         |         |               |           |          |            |         |         |
|  |  |            |   |                 |   |  |  |  |                         |       |       |          |         |         |               |           |          |            |         |         |
|  |  |            |   |                 |   |  |  |  |                         |       |       |          |         |         |               |           |          |            |         |         |
|  |  |            |   |                 |   |  |  |  |                         |       |       |          |         |         |               |           |          |            |         |         |

## Approved Sample Collection Centers

| No | Sample Collection Centre           | Address   | Matrix of the sample                      |
|----|------------------------------------|---|---|
| 01 | Green Laboratory                   | IDH   | Blood, Urine, Stool, Swabs, Serum, plasma |
| 02 | 3rd Lane Medical Centre            | 3rd Lane, Katubedda, Rathmalana                       | Blood, Urine, Stool, Swabs, Serum, plasma |
| 03 | Family Clinic                      | No. 119/2, Siri Rahula Mawatha, Katubadda, Rathmalana | Blood, Urine, Stool, Swabs, Serum, plasma |
| 04 | Med Line /Veenus                   | Panadura Old Road, Keselwaththa                       | Blood, Urine, Stool, Swabs, Serum, plasma |
| 05 | Moratu Medical Centre              | No. 435, Galle Rd, Moratuwa                           | Blood, Urine, Stool, Swabs, Serum, plasma |
| 06 | Kaduwellla Pvt. Hospitals          | No. 108/10, Bandarawaththa, Biyagama, Kaduwela        | Blood, Urine, Stool, Swabs, Serum, plasma |
| 07 | Kothalawala Nursing Home           | No. 246, New Kandy Road, Kothalawela                  | Blood, Urine, Stool, Swabs, Serum, plasma |
| 08 | Kasbawa Mc                         | Kasbawa   | Blood, Urine, Stool, Swabs, Serum, plasma |
| 09 | Emerge Health Care                 | No. 67, Galle Road, Keselwatta, Panadura              | Blood, Urine, Stool, Swabs, Serum, plasma |
| 10 | Medi Right                         | No. 110, Lunawa, Moratuwa                             | Blood, Urine, Stool, Swabs, Serum, plasma |
| 11 | GP Clinic                          | No. 07, Aponsu Road, Dehiwala                         | Blood, Urine, Stool, Swabs, Serum, plasma |
| 12 | Suvik Lanka                        | Hospital Road, Udupila                                | Blood, Urine, Stool, Swabs, Serum, plasma |
| 13 | Medisys                            | No. 94/32, Dompe                                      | Blood, Urine, Stool, Swabs, Serum, plasma |
| 14 | Medro Clinic                       | Railway Avenue, Nugegoda                              | Blood, Urine, Stool, Swabs, Serum, plasma |
| 15 | Sukithashanya Lab                  | Colombo Road, Nugegoda                                | Blood, Urine, Stool, Swabs, Serum, plasma |
| 16 | Shanya Lab                         | Hospital Road, Piliyandala                            | Blood, Urine, Stool, Swabs, Serum, plasma |
| 17 | Bio Tech                           | No. 231, Radawana Road Yakkala, Gampaha.              | Blood, Urine, Stool, Swabs, Serum, plasma |
| 18 | The Life Health Care Center        | Aluthmawatha Road, Colombo -15                        | Blood, Urine, Stool, Swabs, Serum, plasma |
| 19 | Family Care Hospital Kelaniya      | Kelaniya  | Blood, Urine, Stool, Swabs, Serum, plasma |
| 20 | Pitipana Medi Lab                  | Pitipana  | Blood, Urine, Stool, Swabs, Serum, plasma |
| 21 | Channel Way Nursing Home           | Godagama, Rathnapura                                  | Blood, Urine, Stool, Swabs, Serum, plasma |
| 22 | Mediquick (Pvt) Ltd                | No. 535, Negombo Road, Wattala                        | Blood, Urine, Stool, Swabs, Serum, plasma |
| 23 | Sihasa Medical Laboratory Services | No. 59/A, Morontuduwa Road, Wadduwa                   | Blood, Urine, Stool, Swabs, Serum, plasma |
| 24 | Sanro Lab                          | Galle Road, Molligoda                                 | Blood, Urine, Stool, Swabs, Serum, plasma |
| 25 | Life Laboratory                    | No. 202/13, Horana Road, Panadura                     | Blood, Urine, Stool, Swabs, Serum, plasma |

| <b>No</b> | <b>Sample Collection Centre</b>  | <b>Address</b>                                 | <b>Matrix of the sample</b>               |
|-----------|----------------------------------|--|---|
| 26        | Rosewill Medical Center          | Hunupitiya                                     | Blood, Urine, Stool, Swabs, Serum, plasma |
| 27        | Suwana Health Care Hospital      | Chillaw  | Blood, Urine, Stool, Swabs, Serum, plasma |
| 28        | Dilma Laboratory                 | Wadiyamankada Junction, Waskaduwa              | Blood, Urine, Stool, Swabs, Serum, plasma |
| 29        | Diagno Lab                       | No. 256/A, Kaduwela Road, Koswatta             | Blood, Urine, Stool, Swabs, Serum, plasma |
| 30        | Mdk Hospital                     | No. 149, Sri Ariyavilasa Road, Horana          | Blood, Urine, Stool, Swabs, Serum, plasma |
| 31        | Medi Land (IDH)                  | Gothatuwa                                      | Blood, Urine, Stool, Swabs, Serum, plasma |
| 32        | St. George Hospital              | Biyagama                                       | Blood, Urine, Stool, Swabs, Serum, plasma |
| 33        | Kaduboda Medical Centre          | Katuboda                                       | Blood, Urine, Stool, Swabs, Serum, plasma |
| 34        | Health scan Services PVT         | No 95, Castle Street, Colombo – 08             | Blood, Urine, Stool, Swabs, Serum, plasma |
| 35        | Labo technic Laboratory Services | No 448/1 Kandy Road, Kadawatha                 | Blood, Urine, Stool, Swabs, Serum, plasma |
| 36        | Family care                      | Pannipitiya                                    | Blood, Urine, Stool, Swabs, Serum, plasma |
| 37        | Kottawa Nursing Home (PVT)LTD    | Kottawa  | Blood, Urine, Stool, Swabs, Serum, plasma |
| 39        | Sahana Diagnostic Laboratory     | Homagama                                       | Blood, Urine, Stool, Swabs, Serum, plasma |
| 40        | University Hospital KDU          | Boralesgamuwa                                  | Blood, Urine, Stool, Swabs, Serum, plasma |
| 41        | Sapugaswatha Medilab             | Sapugaswatta                                   | Blood, Urine, Stool, Swabs, Serum, plasma |
| 42        | Family Clinic                    | No,177, Modara Street, Colombo 15              | Blood, Urine, Stool, Swabs, Serum, plasma |
| 43        | UP Daniel Medical Centre         | Hunnupitiya                                    | Blood, Urine, Stool, Swabs, Serum, plasma |
| 44        | Winlanka Hospital                | No,128 & 129 De.S.Jayasinghe Mawatha ,Nugegoda | Blood, Urine, Stool, Swabs, Serum, plasma |
| 45        | Western Medi Clinic              | Wellawatta                                     | Blood, Urine, Stool, Swabs, Serum, plasma |
| 46        | Medi Quick                       | No,366, Galle Road, Colombo -03                | Blood, Urine, Stool, Swabs, Serum, plasma |

Director/CEO

Sri Lanka Accreditation Board for Conformity Assessment  
Colombo, Sri Lanka