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**LABORATORY LOCATION:**  
(PERMANENT LABORATORY)

**EUROFINS MEDISCAN  
LABORATORIES SDN. BHD.  
47, JALAN RAJAWALI 2  
BANDAR PUCHONG JAYA  
47100, PUCHONG  
SELANGOR  
MALAYSIA**

**FIELDS OF MEDICAL TESTING: CHEMICAL PATHOLOGY, HAEMATOLOGY & MEDICAL MICROBIOLOGY**

The standard used for assessment of this laboratory is MS ISO 15189:2022 (ISO 15189:2022, IDT)

A medical laboratory's fulfilment of the requirements of ISO 15189 means the laboratory meets both the technical competence requirements and the management system requirements necessary for it to consistently deliver technically valid test results. The management system requirements in ISO 15189 are written in language relevant to a medical laboratory's operations. Medical laboratories that implement ISO 15189 operate generally in accordance with the principles of ISO 9001. (See Joint IAF-ILAC-ISO Communiqué dated November 2021).

**SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY**

| Specimen Tested                   | Type of Test/<br>Properties Measured | Test Methods, Specifications/<br>Equipment/Techniques Used                                                         |
|-----------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>General Chemistry</b><br>Urine | Screening for Opiates (OPI)          | Enzyme Immunoassay Method by using Abbott Architect c4000 as documented in MSC/LAB/WI.03.01; Index: 2.0            |
|                                   |                                      | Test Strip, Cut-off 300 ng/mL as documented in MSC/LAB/WI.03.01; Index: 9.0                                        |
|                                   | Screening for Cannabinoids (THC)     | Enzyme Immunoassay Method by using Abbott Architect c4000 as documented in MSC/LAB/WI.03.01; Index: 3.0            |
|                                   |                                      | Test Strip, Cut-off 50 ng/mL as documented in MSC/LAB/WI.03.01; Index: 10.0                                        |
|                                   | Urine FEME                           | Test Strip Method using LabUMat Urine Analyser and Microscopy Method as documented in MSC/LAB/WI.03.01; Index: 1.0 |
|                                   |                                      | Microscopic Method as documented in MSC/LAB/WI.03.01; Index: 4.0                                                   |
|                                   | Urine Pregnancy Test                 | Test Strip Method as documented in MSC/LAB/WI.03.01; Index: 5.0                                                    |

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## SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

| Specimen Tested            | Type of Test/<br>Properties Measured | Test Methods, Specifications/<br>Equipment/Techniques Used                                                            |
|----------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| General Chemistry<br>Serum | Serum $\beta$ hCG                    | CMIA by using Abbott Architect i2000 sr System as documented in MSC/LAB/WI.03.01; Index:11.0                          |
| Serum/ Plasma              | Alanine Aminotransferase (ALT)       | Abbott Architect ci8200 based on NAOH (without p-5'-p) method as documented in MSC/LAB/WI.03.04; Index: 1.0           |
|                            | Albumin                              | Abbott Architect ci8200 based on Bromcresol Green method as documented in MSC/LAB/WI.03.04; Index: 2.0                |
|                            | Alkaline Phosphatase (ALP)           | Abbott Architect ci8200 based on Pal a-nitrophenyl-Phosphate method as documented in MSC/LAB/WI.03.04; Index: 3.0     |
|                            | Aspartate Aminotransferase (AST)     | Abbott Architect ci8200 based on NAOH (without p-5'-p) method as documented in MSC/LAB/WI.03.04; Index: 4.0           |
|                            | Bilirubin Total                      | Abbott Architect ci8200 based on Diazonium salt method as documented in MSC/LAB/WI.03.04; Index: 5.0                  |
|                            | Calcium                              | Abbott Architect ci8200 based on Arsenazo III method as documented in MSC/LAB/WI.03.04; Index: 6.0                    |
|                            | Chloride                             | Abbott Architect ci8200 based on Ion- selective diluted method as documented in MSC/LAB/WI.03.04; Index: 7.0          |
|                            | Cholesterol HDL                      | Abbott Architect ci8200 based on Accelerator Selective Detergent method as documented in MSC/LAB/WI.03.04; Index: 8.0 |
|                            | Cholesterol LDL                      | Abbott Architect ci8200 based on Calculation method as documented in MSC/LAB/WI.03.04; Index: 9.0                     |

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## SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY

| Specimen Tested                    | Type of Test/<br>Properties Measured | Test Methods, Specifications/<br>Equipment/Techniques Used                                                                                 |
|------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| General Chemistry<br>Serum/ Plasma | Cholesterol Total                    | Abbott Architect ci8200 based on Enzymatic method as documented in MSC/LAB/WI.03.04; Index: 10.0                                           |
|                                    | Creatinine                           | Abbott Architect ci8200 based on Kinetic alkaline picrate method as documented in MSC/LAB/WI.03.04; Index: 11.0                            |
|                                    | e-GFR                                | Abbott Architect ci8200 based on Calculation method as documented in MSC/LAB/WI.03.04; Index: 12.0                                         |
|                                    | GGT                                  | Abbott Architect ci8200 based on L-Gamma-glutamyl-3-carboxy-4-Nitroanilide substrate method as documented in MSC/LAB/WI.03.04; Index: 13.0 |
|                                    | Globulin                             | Abbott Architect ci8200 based on Calculation method as documented in MSC/LAB/WI.03.04; Index: 14.0                                         |
|                                    | Glucose                              | Abbott Architect ci8200 based on Hexokinase method as documented in MSC/LAB/WI.03.04; Index: 15.0                                          |
|                                    | Phosphate                            | Abbott Architect ci8200 based on Phosphomolybdate method as documented in MSC/LAB/WI.03.04; Index: 16.0                                    |
|                                    | Potassium                            | Abbott Architect ci8200 based on Ion-selective diluted method as documented in MSC/LAB/WI.03.04; Index: 7.0                                |
|                                    | Sodium                               | Abbott Architect ci8200 based on Ion-selective diluted method as documented in MSC/LAB/WI.03.04; Index: 7.0                                |
|                                    | Total Protein                        | Abbott Architect ci8200 based on Biuret method as documented in MSC/LAB/WI.03.04; Index: 17.0                                              |

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**SCOPE OF MEDICAL TESTING: CHEMICAL PATHOLOGY**

| Specimen Tested                            | Type of Test/<br>Properties Measured | Test Methods, Specifications/<br>Equipment/Techniques Used                                               |
|--------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>General Chemistry</b><br>Serum / Plasma | Triglycerides                        | Abbott Architect ci8200 based on Glycerol Phosphate method as documented in MSC/LAB/WI.03.04; Index:18.0 |
|                                            | Urea                                 | Abbott Architect ci8200 based on Urease method as documented in MSC/LAB/WI.03.04; Index:19.0             |
|                                            | Uric Acid                            | Abbott Architect ci8200 based on Uricase method as documented in MSC/LAB/WI.03.04; Index: 20.0           |
| Whole Blood                                | HBA1C                                | Abbott Architect ci8200 based on enzymatic method as documented in MSC/LAB/WI.03.04; Index; 21.0         |

**SCOPE OF MEDICAL TESTING: HAEMATOLOGY**

| Specimen Tested                           | Type of Test/<br>Properties Measured | Test Methods, Specifications/<br>Equipment/Techniques Used                                                                                                                                  |
|-------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Routine Haematology</b><br>Whole Blood | ABO & Rhesus Blood Grouping          | Microtitre Plate and Tube Method as documented in MSC/LAB/WI.03.03; Index;1.0                                                                                                               |
|                                           |                                      | Indirect Antiglobulin Test as documented in MSC/LAB/WI.03.03; Index;4.0                                                                                                                     |
|                                           | FBC with 5 parts differential count  | BC-6200 based on WBC/DC —flowcytometry by laser, Electrical Impedance method, Hb — Colorimetric method, RRC/PLT — Electrical Impedance method as documented in MSC/LAB/WI.03.03; Index; 7.0 |

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## SCOPE OF MEDICAL TESTING: MEDICAL MICROBIOLOGY

| Specimen Tested                    | Type of Test/<br>Properties Measured                       | Test Methods, Specifications/<br>Equipment/Techniques Used                                                                       |
|------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Serology</b><br>Serum           | VDRL                                                       | Carbon Antigen as documented in MSC/LAB/WI.03.02; Index;2.0                                                                      |
|                                    | TPPA                                                       | Serodia Treponema Pallidum Particle Agglutination Method as documented in MSC/LAB/WI.03.02; Index;3.0                            |
| <b>Parasitology</b><br>Whole Blood | Malaria Parasite                                           | Qualisa™ Malaria / ELISA method and thick & thin film using microscopy Method as documented in MSC/LAB/WI.03.02; Index;1.0 & 9.0 |
| <b>Virology</b><br>Serum / Plasma  | Hepatitis B Surface Antigen (HBsAG) Screening              | ELISA method as documented in MSC/LAB/WI.03.02; Index;4.0                                                                        |
|                                    | Human Immunodeficiency Virus (HIV I/II Antibody) Screening | ELISA method as documented in MSC/LAB/WI.03.02; Index;5.0                                                                        |

## Laboratory Key Personnel:

|    | Name                      | Designation                              |
|----|---------------------------|------------------------------------------|
| 1. | Kenny Cheong Seng Keong   | Laboratory Director                      |
| 2. | Muhammad Najmi Bin Jaffar | Laboratory Manager / Document Controller |
| 3. | Norarina Bt Mohd Johar    | Technical Manager                        |