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**NO: SAMM 961**
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| **LABORATORY LOCATION:**<br>(PERMANENT LABORATORY) | Premier Integrated Labs Sdn. Bhd. (Klang Branch)<br>No. 125, Ground Floor, Lebuh Turi, Off Persiaran Raja Muda Musa,<br>41200 Klang, Selangor. , 41200,<br>SELANGOR<br>MALAYSIA |
| **ACCREDITED SINCE :** | 02 MARCH 2020 |
| **FIELD(S) OF MEDICAL TESTING :** | CHEMICAL PATHOLOGY<br>HAEMATOLOGY |

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 Communiquè, November 2021)

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| **CENTRAL LOCATION** | Premier Integrated Labs Sdn. Bhd. (Klang Branch)<br>No. 125, Ground Floor, Lebuh Turi, Off Persiaran Raja Muda Musa,<br>41200 Klang, Selangor. , 41200,<br>Selangor |
| **FIELD(S) OF MEDICAL TESTING :** | CHEMICAL PATHOLOGY, HAEMATOLOGY |

**SCOPE OF MEDICAL TESTING : CHEMICAL PATHOLOGY**

| **Specimen Tested** | **Type of Test/ Properties Measured/** | **Test Methods,Specifications/ Equipment/Techniques Used** |
|---|---|---|
| Serum / Plasma | Alanine Aminotransferase (ALT) | Modified Wroblewski and LaDue, modified IFCC, with P5P method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP010 |
| | Albumin | Bromocresol Purple (BCP) dye binding method Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP015 |
| | Alkaline Phosphatase (ALP) | Bowers and McComb, IFCC standardization method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP020 |
| | Amylase | Hydrolysis of CNPG3 method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP025 |
| | Aspartate Aminotransferase (AST) | Modified IFCC, with P5P method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP035 |
| | Bilirubin (Total) | Modified Diazo method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP135 |

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| Calcium | Modification of the calcium o-cresolphthalein complexone (OCPC) reaction method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP040 |
| Chloride | Indirect Integrated Multisensor Technology (IMT) method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP075 |
| Cholesterol (Total) | Enzymatic cholesterol oxidase, esterase, peroxidase method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP050 |
| Creatine Kinase MB (CKMB) | Modified IFCC CK Primary Reference method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP060 |
| Creatine Kinase (CK) | IFCC Primary Reference method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP055 |
| Creatinine | Kinetic Alkaline Picrate (modified Jaffe) method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP065 |
| GammaGlutamyltrans peptidase (GGT) | L-y-glutamyl-3-carboxy-4-nitroanilide substrate reaction/IFCC method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP085 |
| Glucose | Hexokinase method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP090 |

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| HDL Cholesterol | PEG ? modified Cholesterol esterase, oxidase, peroxidase, end point method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP037 |
| Lactate Dehydrogenase | Lactate to pyruvate. Nicotinamide adenine dinucleotide (NAD) method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP100 |
| Phosphate (Inorganic) | Phosphomolybdate method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP125 |
| Potassium | Indirect Integrated Multisensor Technology (IMT) method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP075 |
| Sodium | Indirect Integrated Multisensor Technology (IMT) method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP075 |
| Total Protein | Biuret reaction method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP140 |
| Triglyceride | Glycerol Phosphate Oxidase reaction method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP145 |
| Urea Nitrogen | Urease/glutamate dehydrogenase method using Dimension Chemistry System as documented in Biochemistry Procedure manual chapter CP150 |

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| | Uric Acid | Uricase Method using Dimension Chemistry System as documented in Biochemistry Procedure Manual chapter CP155 |

**SCOPE OF MEDICAL TESTING : HAEMATOLOGY**

| **Specimen Tested** | **Type of Test/ Properties Measured/** | **Test Methods,Specifications/ Equipment/Techniques Used** |
|---|---|---|
| Immunohaematology Whole Blood | ABO & Rh D Blood | Manual tube method as documented in BP020 |
| | Cross-matching | Column Agglutination Technology method as documented in BP026 |
| Plasma | Activated Partial Thromboplastin Time (APTT) | Absorbance (End-point, kinetic) method by CL Analyser as documented in Haematology Procedure manual Chapter YP155 |
| | Activated Partial Thromboplastin Time (APTT) | Absorbance (End-point, kinetic) method by CL Analyser as documented in Haematology Procedure manual Chapter YP156 |
| Whole Blood | Full Blood Count (FBC) | Fluorescent flow cytometry, hydrodynamic focusing and Cyanide-free SLS method using Sysmex XN 1000 and Sysmex XN 350 analyzers as documented in Haematology Procedure Manual Chapter YP037 and YP036 |

**NOTE :**