



# ACCREDITATION CERTIFICATE

**LB-MED-321**

**Emirates International Accreditation Centre**

has accredited

**KETONE CLINICAL LABORATORIES**

Office 4 | Indigo Sky Building | Sheikh Zayed Road

Dubai | United Arab Emirates

In accordance with the requirements of

**ISO 15189:2022**

Medical laboratories — Requirements for quality and competence

to undertake the medical tests in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force within the validity period printed below, subject to continuing compliance with the requirements of the accreditation criteria.

Validity: 22-05-2025 to 21-05-2028

Initial Accreditation Date: 22-05-2025



*Amina Ahmed Mohammed*  
CHIEF EXECUTIVE OFFICER





مركز الإمارات العالمي للاعتماد  
Emirates International Accreditation Centre

**Accreditation Scope**

**Medical Testing**

**LB-MED-321**

**Ketone Clinical Laboratories**

**Office 4 | Indigo Sky Building | Sheikh Zayed Road**

**Dubai | United Arab Emirates**

**Date: 22-05-2025**

| Accreditation History |                                                                             |            |
|-----------------------|-----------------------------------------------------------------------------|------------|
| Issue no.             | Details                                                                     | Date       |
| 01                    | Granted accreditation from Emirates International Accreditation Centre EIAC | 22-05-2025 |

## Ketone Clinical Laboratories

**Office 4 | Indigo Sky Building | Sheikh Zayed Road**

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**Issue no.: 01**

**Date: 22-05-2025**

**Valid to: 21-05-2028**

| Analytical Field/<br>Discipline | Type of Biological<br>Sample | Components /<br>Analytes        | Examination<br>Technique/ Method                                                                  | Examination<br>Procedure                 |
|---------------------------------|------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------|
| Haematology                     | EDTA Whole Blood             | CBC with 5-part<br>differential | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | HGB                             | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | RBC Count                       | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | HCT                             | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | MCV                             | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |

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|---------------------------------|------------------------------|--------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------|
| Haematology                     | EDTA Whole Blood             | MCH                      | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | MCHC                     | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | RDW                      | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | WBC Count                | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | NEU                      | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |

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|---------------------------------|------------------------------|--------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------|
| Haematology                     | EDTA Whole Blood             | LYM                      | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | EOS                      | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | MON                      | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | BAS                      | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | EOS (Count)              | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |

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|---------------------------------|------------------------------|--------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------|
| Haematology                     | EDTA Whole Blood             | LYM (Count)              | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | MON (Count)              | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | NEU (Count)              | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | BAS Count                | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | Platelet Count           | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |

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|---------------------------------|------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------|
| Haematology                     | EDTA Whole Blood             | MPV                                  | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | Large Immature Cells<br>relative     | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Haematology                     | EDTA Whole Blood             | Large Immature Cells<br>absolute     | Double Hydrodynamic<br>Sequential System<br>(DHSS), Impedance<br>Technology,<br>Spectrophotometry | HEM-SOP/01CBC SOP<br>HORIBA YUMIZEN H550 |
| Serology                        | Serum                        | Anti Hbs                             | Immunometric                                                                                      | CHEM-SOP/01 Vitros<br>5600               |
| Clinical Pathology              | Stool                        | Helicobacter pylori<br>antigen       | Immunochromatographic<br>Technique                                                                | SER-SOP/06                               |
| Clinical Pathology              | Urine                        | Urine Analysis Colour,<br>appearance | Visual                                                                                            | GEN-SOP/01                               |
| Clinical Pathology              | Urine                        | pH                                   | Dipstick pH Indicator                                                                             | GEN-SOP/01                               |
| Clinical Pathology              | Urine                        | Specific gravity                     | Dipstick Weak Acid Ion<br>exchange                                                                | GEN-SOP/01                               |

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|---------------------------------|------------------------------|--------------------------|------------------------------------------------|--------------------------|
| Clinical Pathology              | Urine                        | Protein                  | dipstick Protein Error of pH indicator         | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | Glucose                  | Dipstick Glucose oxidase enzymatic             | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | Ketone                   | Dipstick Acetoacetate and Sodium Nitroprusside | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | Nitrite                  | Diazotized to form a diazonium compound        | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | Bilirubin                | Dipstick Azo coupling reaction                 | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | Urobilinogen             | Dipstick Azo coupling reaction                 | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | Blood                    | Dipstick pseudooxidase reaction                | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | Leuco-Esterase           | Dipstick hydrolysis of pyrole amino acid ester | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | Red blood cells          | Microscopic examination                        | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | WBC                      | Microscopic examination                        | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | Epithelial cells         | Microscopic examination                        | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | Crystals                 | Microscopic examination                        | GEN-SOP/01               |
| Clinical Pathology              | Urine                        | Casts                    | Microscopic examination                        | GEN-SOP/01               |



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|---------------------------------|------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------|
| Clinical Pathology              | Urine                        | Bacteria and Yeast                  | Microscopic examination                                                                         | GEN-SOP/01               |
| Microbiology                    | Stool                        | Rotavirus                           | Immunochromatographic<br>Technique                                                              | SER-SOP/08               |
| Microbiology                    | Stool                        | Occult blood                        | Immunochromatographic<br>Technique                                                              | SER-SOP/09               |
| Microbiology                    | Mid-stream urine             | Culture & antibiotic<br>sensitivity | Manual Culture &<br>Antibiotic Sensitivity                                                      | MIC-SOP/01               |
| Microbiology                    | Throat swab                  | Culture & antibiotic<br>sensitivity | Manual Culture &<br>Antibiotic                                                                  | MIC-SOP/01               |
| Biochemistry                    | Serum                        | Glucose                             | Colorimetric: Glucose<br>Oxidase Enzymatic<br>Reaction                                          | LAB-QP/309-ISO-7.3       |
| Biochemistry                    | Serum                        | Total Cholesterol                   | Colorimetric: Cholesterol<br>ester hydrolase<br>Enzymatic Reaction                              | LAB-QP/266-ISO-7.3       |
| Biochemistry                    | Serum                        | Triglycerides                       | Colorimetric:<br>Glycokinase Enzymatic<br>Reaction                                              | LAB-QP/313-ISO-7.3       |
| Biochemistry                    | Serum                        | HDL                                 | Colorimetric: non-HDL<br>precipitation with<br>phosphotungstic acid and<br>(MgCl <sub>2</sub> ) | LAB-QP/280-ISO-7.3       |
| Biochemistry                    | Serum                        | AST                                 | Colorimetric: multiple<br>Point rate α-<br>ketoglutarate Enzymatic<br>Reaction                  | LAB-QP/274-ISO-7.3       |

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|---------------------------------|------------------------------|--------------------------|----------------------------------------------------------------------------------------|--------------------------|
| Biochemistry                    | Serum                        | ALT                      | Colorimetric: multiple<br>Point rate $\alpha$ -<br>ketoglutarate Enzymatic<br>Reaction | LAB-QP/310-ISO-7.3       |
| Biochemistry                    | Serum                        | Alkaline Phosphatase     | Colorimetric, Multiple<br>point rate p-nitrophenyl<br>phosphate Hydration<br>Reaction  | LAB-QP/272-ISO-7.3       |
| Biochemistry                    | Serum                        | Total Protein            | Colorimetric Biuret<br>reaction                                                        | LAB-QP/314-ISO-7.3       |
| Biochemistry                    | Serum                        | Albumin                  | Colorimetric, Reaction<br>with bromocresol green<br>(BCG) dye                          | LAB-QP/321-ISO-7.3       |
| Biochemistry                    | Serum                        | Total Bilirubin          | Colorimetric Modified<br>diazo reaction                                                | LAB-QP/297-ISO-7.3       |
| Biochemistry                    | Serum                        | Gamma GT                 | Colorimetric: Multiple-<br>point                                                       | LAB-QP/286-ISO-7.3       |
| Biochemistry                    | Serum                        | Urea                     | rate Enzymatic Reaction                                                                | LAB-QP/293-ISO-7.3       |
| Biochemistry                    | Serum                        | Creatinine               | Colorimetric, urease<br>enzymatic reaction                                             | LAB-QP/263-ISO-7.3       |
| Biochemistry                    | Serum                        | Uric Acid                | Colorimetric, Two points<br>Rate                                                       | LAB-QP/312-ISO-7.3       |
| Biochemistry                    | Serum                        | Folic Acid               | competitive binding assay                                                              | LAB-QP/282-ISO-7.3       |
| Biochemistry                    | Serum                        | Iron                     | Colorimetric: Two-point<br>rate Reduction Reaction                                     | LAB-QP/287-ISO-7.3       |

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|---------------------------------|------------------------------|---------------------------------------|-------------------------------------------------|--------------------------|
| Biochemistry                    | Serum                        | Ferritin                              | Immunometric<br>Immunoassay                     | LAB-QP/316-ISO-7.3       |
| Biochemistry                    | Serum                        | B12                                   | Competitive binding<br>immunoassay              | LAB-QP/267-ISO-7.3       |
| Biochemistry                    | Serum                        | Transferrin                           | Colorimetric: Multiple-<br>point                | LAB-QP/279-ISO-7.3       |
| Biochemistry                    | Serum                        | CPK                                   | rate                                            | LAB-QP/323-ISO-7.3       |
| Biochemistry                    | Serum                        | LDH                                   | Glycerol kinase Enzymatic<br>Reaction           | LAB-QP/291-ISO-7.3       |
| Biochemistry                    | Serum                        | Amylase                               | Colorimetric: Multiple-<br>point                | LAB-QP/292-ISO-7.3       |
| Biochemistry                    | Serum                        | Calcium; total                        | rate Enzymatic Reaction                         | LAB-QP/315-ISO-7.3       |
| Biochemistry                    | Serum                        | Magnesium                             | Colorimetric: 2 point rate                      | LAB-QP/265-ISO-7.3       |
| Biochemistry                    | Serum                        | Sodium; serum                         | Hydrolysis of amylopectin                       | LAB-QP/289-ISO-7.3       |
| Biochemistry                    | Serum                        | Potassium; serum                      | Colorimetric: Reaction<br>with Arsenazo III dye | LAB-QP/277-ISO-7.3       |
| Biochemistry                    | Serum                        | Chloride                              | Colorimetric: Reaction<br>with formazan dye     | LAB-QP/285-ISO-7.3       |
| Biochemistry                    | Serum                        | Follicle stimulating<br>hormone (FSH) | Potentiometric                                  | LAB-QP/288-ISO-7.3       |
| Biochemistry                    | Serum                        | Luteinizing hormone (LH)              | Two ion-selective<br>electrodes                 | LAB-QP/264-ISO-7.3       |

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|---------------------------------|------------------------------|-------------------------------------------|----------------------------------|--------------------------|
| Biochemistry                    | Serum                        | Prolactin                                 | Potentiometric                   | LAB-QP/283-ISO-7.3       |
| Biochemistry                    | Serum                        | Estradiol(E2)                             | Two ion-selective<br>electrodes  | LAB-QP/284-ISO-7.3       |
| Biochemistry                    | Serum                        | Thyroxine; free (FT4)                     | Potentiometric                   | LAB-QP/296-ISO-7.3       |
| Biochemistry                    | Serum                        | Thyroid stimulating<br>hormone (TSH)      | Two ion-selective<br>electrodes  | LAB-QP/294-ISO-7.3       |
| Biochemistry                    | Serum                        | Triiodothyronine T3; free                 | Immunometric<br>Immunoassay      | LAB-QP/275-ISO-7.3       |
| Biochemistry                    | Serum                        | BHCG                                      | Immunometric<br>immunoassay      | LAB-QP/295-ISO-7.3       |
| Biochemistry                    | Serum                        | Testosterone; total                       | Immunometric<br>Immunoassay      | LAB-QP/298-ISO-7.3       |
| Biochemistry                    | Serum                        | Prostate specific antigen<br>(PSA); total | Competitive Immunoassay          | LAB-QP/290-ISO-7.3       |
| Biochemistry                    | Serum                        | Progesterone                              | Competitive Immunoassay          | LAB-QP/268-ISO-7.3       |
| Biochemistry                    | Serum                        | Triiodothyronine T3;<br>total (TT-3)      | Competitive Immunoassay          | LAB-QP/244-ISO-7.3       |
| Biochemistry                    | Serum                        | Alpha Fetoprotein (AFP)                   | Immunometric<br>Immunoassay      | LAB-QP/246-ISO-7.3       |
| Biochemistry                    | Serum                        | Vit D                                     | Immunometric<br>Immunoassay      | LAB-QP/273-ISO-7.3       |