

Accreditation Scope

**Liwa Hospital Laboratory, NAM 008
Medical Laboratory (ISO15189:2012)**

Liwa, Al Dhafra Region – Abu Dhabi, UAE

Issue Date.: 29/11/2020

Expiry Date: 28/11/2023

Issue No.: 01

Medical Field	Biological Sample	Components / Analytes	Examination technique	Examination Procedure Reference
General Chemistry	SERUM, PLASMA	Alanine Aminotransferase	IFCC, but without pyridoxal-5'-phosphate	ADH-LW-LAB-SOP-02-111 Version 02
General Chemistry	SERUM, PLASMA	Aspartate Aminotransferase	IFCC, but without pyridoxal-5'-phosphate	ADH-LW-LAB-SOP-02-109 Version 02
General Chemistry	SERUM, PLASMA	Alkaline phosphatase	Colorimetric assay, IFCC, DGKC	ADH-LW-LAB-SOP-02-112 Version 02
General Chemistry	SERUM, PLASMA	γ -Glutamyltransferase	Enzymatic colorimetric assay (acc. To Szasz and IFCC)	ADH-LW-LAB-SOP-02-099 Version 02
General Chemistry	SERUM,	α -Amylase	Enzymatic colorimetric assay acc. to IFCC Liquid stable Ethylidene blocked pNPG7	ADH-LW-LAB-SOP-02-110 Version 02
General Chemistry	SERUM, PLASMA	Creatine Kinase	Standardized method acc. to DGKC and IFCC	ADH-LW-LAB-SOP-02-106 Version 02
General Chemistry	SERUM, PLASMA	Creatine Kinase-MB	Immunological UV assay	ADH-LW-LAB-SOP-02-106 Version 02
General Chemistry	SERUM, PLASMA	Lactate Dehydrogenase	Standardized method acc. to DGKC, IFCC	ADH-LW-LAB-SOP-02-094 Version 02
General Chemistry	SERUM	Albumin	Colorimetric assay with endpoint method (bromocresol green-BCG)	ADH-LW-LAB-SOP-02-113 Version 02
General Chemistry	SERUM, PLASMA	Total Bilirubin	Diazo method, Vanadate oxidation method	ADH-LW-LAB-SOP-02-090 Version 02

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General Chemistry	SERUM, PLASMA	Direct Bilirubin	Diazo method, Vanadate oxidation method	ADH-LW-LAB-SOP-02-100 Version 02
General Chemistry	SERUM	Calcium	Colorimetric method - Calcium ions react with 5-nitro-5'-methyl-Barta (NM-BARTA) under alkaline conditions to form a complex. Colorimetric method – Arsenazo III.	ADH-LW-LAB-SOP-02-108 Version 02
General Chemistry	SERUM	Magnesium	Colorimetric method with Chlorophosphonazo III, Colorimetric method with Xylidyl Blue	ADH-LW-LAB-SOP-02-092 Version 02
General Chemistry	SERUM	Iron	FerroZine method	ADH-LW-LAB-SOP-02-095 Version 02
General Chemistry	SERUM, PLASMA	Bicarbonate liquid	Bicarbonate reacts with phosphoenolpyruvate (PEP) in the presence of PEPC to produce oxaloacetate and phosphate	ADH-LW-LAB-SOP-01-123 Version 01
General Chemistry	SERUM	Phosphate (Inorganic)	UV Endpoint method with sample blanking (ammonium phosphomolybdate complex).	ADH-LW-LAB-SOP-02-091 Version 02

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General Chemistry	SERUM, URINE	Creatinine	Colorimetric method-Enzymatic, colorimetric method Alkaline picrate	ADH-LW-LAB-SOP-02-103 Version 02
General Chemistry	SERUM	Glucose	Enzymatic reference method with hexokinase and glucose oxidase	ADH-LW-LAB-SOP-02-098 Version 02
General Chemistry	SERUM, PLASMA	Cholesterol	Enzymatic colorimetric (endpoint) method	ADH-LW-LAB-SOP-02-107 Version 02
General Chemistry	SERUM, PLASMA	LDL-Cholesterol	Homogeneous enzymatic (direct) colorimetric assay	ADH-LW-LAB-SOP-02-093 Version 02
General Chemistry	SERUM, PLASMA	HDL-Cholesterol	Homogeneous enzymatic (direct) colorimetric assay	ADH-LW-LAB-SOP-02-096 Version 02
General Chemistry	SERUM, PLASMA	Triglycerides	Enzymatic colorimetric test (GPO-PAP)	ADH-LW-LAB-SOP-02-087 Version 02
General Chemistry	SERUM	Total Protein	Colorimetric assay (Biuret method)	ADH-LW-LAB-SOP-04-084 Version 04
General Chemistry	SERUM, PLASMA, URINE	Uric Acid	Enzymatic colorimetric test	ADH-LW-LAB-SOP-02-085 Version 02
General Chemistry	SERUM, PLASMA, URINE	Urea	Kinetic test with urease and glutamate dehydrogenase	ADH-LW-LAB-SOP-02-086 Version 02
General Chemistry	WHOLE BLOOD	Tina-quant Hemoglobin A1c (Hemolysate Application)	The HbA1c determination is based on the turbidimetric	ADH-LW-LAB-SOP-02-097 Version 02

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			inhibition immunoassay (TINIA)	
General Chemistry	URINE	Total Protein Urine	Turbidimetric method	ADH-LW-LAB-SOP-02-089 Version 02
General Chemistry	SERUM, PLASMA	Tina-quant Transferrin	Immunoturbidimetric assay	ADH-LW-LAB-SOP-02-088 Version 02
General Chemistry	URINE	ALBUMINE /CREATININE RATIO	CALCULATION	ADH-LW-LAB-SOP-04-063 Version 04
General Chemistry	SERUM, PLASMA	LDL	CALCULATION	ADH-LW-LAB-SOP-02-093 Version 02
General Chemistry	URINE	Tina-quant Albumin	Immunoturbidimetric assay	ADH-LW-LAB-SOP-02-113 Version 02
General Chemistry	SERUM, PLASMA	C-Reactive Protein (Latex)	Particle enhanced immune-turbidimetric assay	ADH-LW-LAB-SOP-02-101 Version 02
General Chemistry	BLOOD, PLASMA	Troponin I \ Alere	fluorescence immunoassay	ADH-LW-LAB-SOP-04-116 Version 04
Microbiology	URINE	hCG Pregnancy combo Rapid Test Cassette, urine	Qualitative chromatographic immunoassay	ADH-LW-LAB-SOP-04-016 Version 04
Microbiology	Nasal swab	NASAL WASH/ASPIRATES	Immunochromatographic assay for the qualitative detection of influenza A and B nucleoprotein antigens	ADH-LW-LAB-SOP-01-010 Version 01

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Microbiology	Nasal swab	NASOPHARYNGEAL AND NASAL SWABS	Immunochromatographic assay for the qualitative detection of influenza A and B nucleoprotein antigens	ADH-LW-LAB-SOP-01-010 Version 01
General Chemistry	Blood	Blood gases, Na, K, CL,	b221 analyzer	ADH-LW-LAB-SOP-04-060 Version 04
General Chemistry	Blood	Blood gases, Na, K, CL, Glu and lactate	ABL90FLEX	ADH-LW-LAB-SOP-02-061 Version 02
Hematology	Whole blood	Complete blood count-CBC /Sysmex XS800	Spectrophotometry for HGB Volumetric impedance change for WBC, RBC, PLT Light scattering measurement: LYM, MON, NEU, EOS, BASO	ADH-LW-LAB-SOP-04-034 Version 04
Hematology	Blood	Erythrocyte Sedimentation Rate-ESR	Westergren Method	ADH-LW-LAB-SOP-04-043 Version 04
Hematology	Serum	RF latex	Agglutination method	ADH-LW-LAB-SOP-04-047 Version 04
Hematology	Serum	ASO latex	Agglutination method	ADH-LW-LAB-SOP-04-046 Version 04
Hematology	Whole blood	Malaria parasite	NADAL® Malaria 4 Species test cassettes and Manual microscopy	ADH-LW-LAB-SOP-04-044 Version 04

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				ADH-LW-LAB-SOP-04-042 Version 04
Hematology	Plasma	Prothrombin Time, Index, INR	Clotting time detection	ADH-LW-LAB-SOP-02-033 Version 02
Hematology	Plasma	APTT	Clotting time detection	ADH-LW-LAB-SOP-02-032 Version 02
Microbiology	Urine	Complete Urine analyze	Reflectance photometry, Microscopy	ADH-LW-LAB-SOP-04-015 Version 04
Microbiology	Stool	Common analyze in fecal	Native samples Microscopy	ADH-LW-LAB-SOP-01-014 Version 01
Blood bank	Whole blood	ABO grouping and Rhesus typing	Column Agglutination (Gel Testing) /BIORAD	ADH-LW-LAB-PP-04-051 Version 04
Blood bank	Plasma	Cross matching	Anti-globulin crossmatch	ADH-LW-LAB-PP-04-054 Version 04
Blood bank	Plasma	Antibodies screening	Column Agglutination (Gel Testing) /BIORAD	ADH-LW-LAB-PP-04-055 Version 04
End				