Hellenic Accreditation System

Annex G1/1 to the Certificate No.**1414**
SCOPE of ACCREDITATION
of the
Clinical Laboratory
LUAR MEDICAL CENTER

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Biochemical Tests		
Blood Serum	**Determination of 11parameters**	**Automated Analyzer Cobas Integra 400 +**
	1.Alanine Aminotransferase (ALT/GPT)	Alanine Aminotransferase acc. to IFCC without pyridoxal phosphate activation (2023-08, V 16.0)
	2.Gamma GT	γ-Glutamyltransferase ver.2 - Standardized against Szasz (2022-01, V 8.0)
	3.Aspartate Aminotransferase (AST/GOT)	Aspartate Aminotransferase - Pyridoxal phosphate activated (2022-10, V 12.0)
	4.Calcium	2-Point End (2023-09, V 9.0)
	5.Triglycerides	Enzymatic colorimetric test.(2023-11, V 14.0
	6Creatinine	Kinetic colorimetric assay is based on the Jaffé method (2023-11, V 22.0)
	7.Urea	Kinetic test with urease and glutamate dehydrogenase2,3,4,5 (2022-10, V 9.0)
	8.Uric Acid	Enzymatic colorimetric test.(2023-11, V 16.0)
	9.Glucose	Enzymatic reference method with hexokinase9,10 (2023-07, V 16.0)
	10.Cholesterol (total)	Enzymatic, colorimetric method.(2023-09, V 16.0)
	11.Bilirubin Totale	Colorimetric diazo method (2023-12, V 12.0)

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Tumor Markers Tests		
Blood Serum	**Determination of 5 parameters**	**Automated Analyzer COBAS e 411**
	1. Tumor marker CA-125	ECLIA
	2. Tumor marker CA 15-3	ECLIA
	3. Carcinoembryonic antigen (CEA)	ECLIA
	4. Prostate Specific Antigen (PSA)	ECLIA
	5. Human choriotic gonadotropin (hCG)	ECLIA
HORMONES Tests		
Blood serum	**Determination of 10 parameters**	**Automated Analyzer COBAS e 411**
	1. Follicle Stimulating Hormone (FSH)	ECLIA
	2. Luteining Hormone (LH)	ECLIA
	3. Prolactin	ECLIA
	4. Vitamin B_{12}	ECLIA
	5. Progesterone (PRG)	ECLIA
	6. Testosterone	ECLIA
	7. Thyrotropin (TSH)	ECLIA
	8. Free Triiodothyronine (FT3)	ECLIA
	9. Free Thyroxine (FT4)	ECLIA
	10. Ferritin	ECLIA
Hematology Testing		
Whole Blood (K3-EDTA)	**Determination of 8 parameters**	**Automated Analyzer SYSMEX XN 330**
	1. Hemoglobim (HB)	Colorimetric (SLS Hemoglobin)
	2. Haematocrit (HCT%)	RBC Comulitative Pulse Height Detection
	3. Mean Corpuscular Haemoglobin Concentration (MCHC)	Automatic calculation from HGB and HCT
	4. Mean Corpuscular Volume (MCV)	Automatic calculation from HGB and

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
		HCT
	5. Mean Corpuscular Haemoglobin (MCH)	Automatic calculation from HGB and HCT
	6. White Blood Cells (WBC)	Flow Cytometry by Semiconductor Laser
	7. Red Blood Cells (RBC)	Direct Current
	8. Platelets (PTLs)	Direct Current

**The use of the analyser's brand name refers to a specific analytical method and the corresponding experimental protocol*

Site of assessment: **Laboratory Permanent premises: Street: "**Andon Zako Cajupi", Qendra Zayed , Kati II, **1001,** Tirana, Albania
Approved signatories: **Enerieta Seitaj**

Sample Collection Site: Laboratory Permanent premises: Street: "Andon Zako Cajupi", Qendra Zayed , Kati II, 1001, Tirana, Albania

The Accreditation Certificate No. **1414,** to EN ISO 15189:2012, is valid until **26.06.2029.**

Athens, **27.06.2024**

Christos Nestoras
CEO of ESYD