Hellenic Accreditation System

Annex G1/B2 to the Certificate No. **916**-6

SCOPE of ACCREDITATION

of the

Clinical Laboratory

of

MICROANALYSIS ATHENS S.A.
Thessaloniki Branch

Material / Products tested	Types of test / Properties measured	Applied methods / techniques used
Biochemical tests		
Blood serum	**Determination of 31 parameters**	**Automated Biochemical Analyzer Architect c8000 S/N c802171, Abbott E.320-1.1/1/01.10.2023**
	1.Alanine Aminotransferase (ALT-SGPT)	NADH (without P-5'-P)
	2. Albumin	Bromcresol green
	3. Alkaline Phosphatase (ALP)	Para-nitrophenylphosphate
	4. Amylase	CNPG-3 Substrate
	5. Asparate Aminotransferase (AST-SGOT)	NADH (without P-5'-P)
	6.Bilirubin direct	Diazo reaction
	7. Bilirubin total	Diazonium salt
	8. Calcium	Arsenazo III
	9.Chloride	ISE (indirect)
	10.Cholesterol	Enzymatic
	11. Cholesterol HDL	Accel. SelectiveDetergent
	12. C-Reactive Protein (CRP)	Immunoturbidimetric
	13. Creatinine	Jaffe
	14. Creatinine Kinase (CK)	NAC
	15. Glucose	Hexokinase / G-6-PDH
	16. Iron	Colorimetric FERENE
	17.Lactate Dehydrogenase (LDH)	Lactic Acid to Pyruvate (IFCC)
	18.Magnesium	Enzymatic
	19.Phosphorus	Colorimetric Phosphomolybdate

Material / Products tested	Types of test / Properties measured	Applied methods / techniques used
	20.Potassium	ISE (indirect)
	21.Protein total	Colorimetric Biuret
	22.Sodium	ISE (indirect)
	23.Triglycerides	Glycerol Phosphate Oxidase
	24.Urea	Urease
	25.Uric acid	Uricase
	26.γ-Glutamyl Transferase (γGT)	GCNA Substrate
	27.Transferrin	Immunoturbidimetric
	28. Immunoglobulin A(IgA)	Immunoturbidimetric
	29. Immunoglobulin E(IgE)	Immunoturbidimetric
	30. Immunoglobulin G (IgG)	Immunoturbidimetric
	31. Immunoglobulin M(IgM)	Immunoturbidimetric
	Determination of 1 drug parameter	**Automated Biochemical Analyzer Architect c8000 S/N c802171, Abbott E.320-1.1/1/01.10.2023**
	1**.** Valproic Acid	Immunoturbidimetric
	Determination of 2 parameters	**Automated Biochemical Analyzer Architect c8000 S/N c802171, Abbott E.320-1.1/1/01.10.2023**
	1. Rheumatic Factor (RF)	Immunoturbidimetric
	2. Lipoprotein(α)	Immunoturbidimetric
Whole blood EDTA	**Determination of 1 parameter**	**Automated Biochemical Analyzer Architect c8000 S/N c802171, Abbott E.320-1.1/1/01.10.2023**
	1.Glycated Haemoglobin A1c(HbA1c)	Enzymatic
Urine	**Determination of 3 parameters**	**Automated Biochemical Analyzer Architect c8000 S/N c802171, Abbott E.320-1.1/1/01.10.2023**
	1.Creatinine in urine	Jaffe
	2. Urine Protein	BenzethoniumChloride
	3. Urine albumin	Immunoturbidimetric
Haematology Tests		
Whole blood EDTA	**Determination of 8 parameters**	**Automated Haematological Analyzer CELL-DYN EMERALD 22 S/N 829, Abbott E.320-1.1/1/01.10.2023**
	1.White blood cells (WBC)	Flow cytometry
	2.Red blood cells (RBC)	DC Detection
	3**.** Haemoglobin (HGB)	Photometric
	4.Hematocrit (HCT)	Calculated

Material / Products tested	Types of test / Properties measured	Applied methods / techniques used
	5.Mean corpuscular volume (MCV)	DC Detection
	6.Mean corpuscular hemoglobin (MCH)	Calculated
	7.Mean corpuscular hemoglobin concentration (MCHC)	Calculated
	8.Platelets (PLTs)	DC Detection
Immunochemical Tests		
Blood serum	**Determination of 6 parameters**	**Automated Immunoassay Analyzer Architect i2000 S/N iSR06618, Abbott E.320-1.1/1/01.10.2023**
	1.α-Fetoprotein (AFP)	Chemiluminescence Microparticle Immunoassay (CMIA)
	2. Cancer Antigen CA125	
	3 Cancer Antigen CA 15-3	
	4.Cancer Antigen CA 19-9	
	5.Carcinoembryonic Antigen (CEA)	
	6. β-Human Chorionic Gonadotropine (β-HCG)	
Blood serum	**Determination of 3 parameters**	**Automated Immunoassay Analyzer Architect i2000 S/N iSR01024, Abbott E.320-1.1/1/01.10.2023**
	1.Vitamin D 25-OH	Chemiluminescence Microparticle Immunoassay (CMIA)
	2. Troponin	
	3. Homocysteine	
	Determination of 19 parameters	**Automated Biochemistry-Immunoassay Analyzer Architect i2000 S/N iSR03748, Abbott E.320-1.1/1/01.10.2023**
	1. Free Prostate Specific Antigen (FPSA)	Chemiluminescence Microparticle Immunoassay (CMIA)
	2. Free Thyroxine (FT4)	
	3. Insulin	
	4. Cortisol	
	5. Free Triidothyronine (FT3)	
	6. Triidothyroninetotal (T3)	
	7. Estradiol (E2)	
	8. Ferritin	
	9. Follicle Stimulating Hormone (FSH)	
	10. Folate acid	
	11. Luteinizing Hormone (LH)	
	12. Parathyroid Hormone intact (PTH)	
	13. Progesterone (PRG)	

Material / Products tested	Types of test / Properties measured	Applied methods / techniques used
	14. Prolactin (PRL)	
	15. Prostate Specific Antigen (PSA)	
	16. Testosterone	
	17.Thyroid Stimulating Hormone (TSH)	
	18. Thyroxine total (T4)	
	19. Vitamin B12	
Immunology Tests		
Blood serum	**Determination of 1 parameter**	**Automated Immunoassay Analyzer Architect i2000 S/N iSR01024, Abbott E.320-1.1/1/01.10.2023**
	1.CKMB-Mass	Chemiluminescence Immunometric Assay (CLIA)
	Determination of 12parameters	**Automated Immunoassay Analyzer Architect i2000 S/N iSR06618, Abbott E.320-1.1/1/01.10.2023**
	1. Hepatitis B Virus urface Antigen (HBsAg)	Chemiluminescence Microparticle Immunoassay (CMIA)
	2. Antibodies to Hepatitis B Virus Surface Antigen (Anti-HBs)	
	3. Antibodies to Hepatitis C Virus (Anti-HCV)	
	4. HIVp24 Antigen and Antibodies to Human Immunodeficiency Virus Type 1 and/or Type 2	
	5. IgG Antibodies to Rubella Virus	
	6. IgM Antibodies to Rubella Virus	
	7. IgG Antibodies to Cytomegalovirus (CMV IgG)	
	8.IgM Antibodies to Cytomegalovirus (CMV IgM)	
	9. IgG Antibodies to Toxoplasma gondii	
	10.IgM Antibodies to Toxoplasma gondii	
	11. EBV-VCA IgG Antibodies	
	12. EBV-VCA IgM Antibodies	

**Reference to the commercial name of a specific analyzer/kit refers to a specific analytical method and protocol.*

Site of assessment : **Laboratory permanent premises, 7, Agiou Georgiou Square, 54635, Thessaloniki, Greece**
Approved signatories : **I. Chalkias, Th. Ioannou**

This scope of Accreditation replaces the previous one dated 23.02.2024.
The Accreditation Certificate No. **916**-6, to ELOT EN ISO 15189:2022, is valid until 13.05.2027.

Athens, 18th of July 2025

Konstantinou Evangelos Apostolos
CEO of ESYD