Hellenic Accreditation System

Annex G1/11 to the Certificate No. **905**-6

SCOPE of ACCREDITATION

of the

Clinical Laboratory

of

AFFIDEA OF THESSALONIKI

Private multisurgery, Medical Single Member S. A.

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Biochemical Tests		
1. Blood serum	**Determination of 37 parameters**	**Automated biochemical analyzer Cobas 6000, Roche***
	1. Glucose	Enzymatic Chromatometric reaction GOD-PAP, (WP 504A-11, Version 3/22.10.2023)
	2. Triglycerides	Enzymatic Chromatometric reaction GPO – PAP, (WP 504A-11, Version 3/22.10.2023)
	3. Total Cholesterol	Enzymatic reaction CHOD – PAP, (WP 504A-11, Version 3/22.10.2023)
	4. HDL-Cholesterol	Enzymatic Chromatometric reaction, (WP 504A-11, Version 3/22.10.2023)
	5. LDL-Cholesterol	Enzymatic Chromatometric reaction, (WP 504A-11, Version 3/22.10.2023)
	6. VLDL-Cholesterol	Calculated method, (WP 504A-11, Version 3/22.10.2023)
	7. Uric acid	Enzymatic Chromatometric reaction uricase/peroxidase, (WP 504A-11, Version 3/22.10.2023)
	8. Urea	Kinetic Enzymatic reaction / UV, (WP 504A-11, Version 3/22.10.2023)
	9. Creatinine	Kinetic Enzymatic reaction - JAFFE METHOD, (WP 504A-11, Version 3/22.10.2023)
	10.Total Bilirubin	Photometric reactionUV Liquid DPD, (WP 504A-11, Version

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (continued)	11. Direct Bilirubin	Photometric reactionUV, (WP 504A-11, Version 3/22.10.2023)
	12.Calcium	Photometric reaction -5NITRO-5METHYL-BAPTA, (WP 504A-11, Version 3/22.10.2023)
	13.Phosphorus	Photometric reaction end point PHOSPHOMOLYBDADE, (WP 504A-11, Version 3/22.10.2023)
	14.Iron	Colorimetric reaction /FERROZINE, (WP 504A-11, Version 3/22.10.2023)
	15.Total Protein	Colorimetric reaction BIURET, (WP 504A-11, Version 3/22.10.2023)
	16. Albumin	Photometric reaction BROMOCRESOL GREEN, (WP 504A-11, Version 3/22.10.2023)
	17.Serum glutamic-oxaloacetic transaminase (SGOT)	Photometric reaction UV / IFCC without P-S-P (WP 504A-11, Version 3/22.10.2023)
	18. Serum glutamic-pyruvic transaminase (SGPT)	Photometric reaction UV / IFCC without P-S-P (WP 504A-11, Version 3/22.10.2023)
	19.Gamma-glutamyl trasferase (γ-GT)	Enzymatic Colorimetric reaction GCNA-Liquid stand SZASZ, (WP 504A-11, Version 3/22.10.2023)
	20.Alkaline phosphatase (ALP)	Colorimetric reaction LIQUID acc to IFCC, (WP 504A-11, Version 3/22.10.2023)
	21.Creatinine kinase (CPK)	Photometric reaction LIQUID IFCC, (WP 504A-11, Version 3/22.10.2023)
	22.Lactate dehydrogenase (LDH)	Photometric reaction UV/optimized DGKC, (WP 504A-11, Version 3/22.10.2023)
	23. Amylase	Enzymatic colorimetric method liquid acc to IFCC, (WP 504A-11, Version 3/22.10.2023)
	24. Magnesium	Chromatometric method, (WP 504A-11, Version 3/22.10.2023)
	25. Potassium	ISE method, (WP 504A-11, Version 3/22.10.2023)
	26. Sodium	ISE method, (WP 504A-11, Version 3/22.10.2023)
	27. Transferrin	Immunoturbidimetric method, (WP 504A-11, Version 3/22.10.2023)
	28. Ferritin	Immunoturbidimetric method, (WP 504A-11, Version 3/22.10.2023)
	29. Globulins	Calculated method, (WP 504A-11, Version 3/22.10.2023)
	30. Atheromatic index	Calculated method, (WP 504A-11, Version 3/22.10.2023)
	31.A/G ratio	Calculated method, (WP 504A-11, Version 3/22.10.2023)
	32. Bicarbonate (HCO_3^-)	Enzymatic Colorimetric Method (WP 504A-11, Version 3/22.10.2023)
2. Urine	**Determination of 5 parameters**	**Automated biochemical analyzer Cobas 6000, Roche***
	1.Creatinine	Kinetic Enzymatic reaction - JAFFE METHOD, (WP 504A-11, Version 3/22.10.2023)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	2.Calcium	Photometric reaction -5NITRO-5METHYL-BAPTA, (WP 504A-11, Version 3/22.10.2023)
	3.Phosphorus	Photometric reaction end point PHOSPHOMOLYBDADE, (WP 504A-11, Version 3/22.10.2023)
	4. Potassium	ISE method, (WP 504A-11, Version 3/22.10.2023)
	5. Sodium	ISE method, (WP 504A-11, Version 3/22.10.2023)
Hematological Tests		
Whole blood	**Determination of 8 parameters**	**Automated analyzers SYSMEX XN 550**
	1. White Blood Cells (WBC)	Flow Cytometry with fluorescence method (WP 504A-11, Version 3/22.10.2023)
	2. Red Blood Cells (RBC)	Hydrodynamic Focusing (DC Detection), (WP 504A-11, Version 3/22.10.2023)
	3. Hemoglobin (HGB)	Photometry, (WP 504A-11, Version
	4. Hematocrit (HCT)	Hydrodynamic Focusing (DC Detection), (WP 504A-11, Version 3/22.10.2023)
	5. Mean Cell Volume (MCV)	Calculated based on specific equation (DC Detection) (WP 504A-11, Version 3/22.10.2023)
	6. Mean Cell Hemoglobin (MCH)	Calculated based on specific equation (DC Detection), (WP 504A-11, Version 3/22.10.2023)
	7. Mean corpuscular hemoglobin concentration (MCHC)	Calculated based on specific equation (DC Detection), (WP 504A-11, Version 3/22.10.2023)
	8. Platelets (PLTs)	Hydrodynamic Focusing (DC Detection), (WP 504A-11, Version 3/22.10.2023)
Immunochemical Tests		
1. Blood serum	**Determination of 20 parameters**	**Automated immunochemical analyzer Cobas 6000, Roche***
	1. Prolactin (PRL)	Electrochemiluminescense (ECLIA) (WP 504A-11, Version 3/22.10.2023)
	2. Follicle Stimulating Hormone (FSH)	
	3. Luteinizing Hormone (LH)	
	4. Thyrotropin Hormone (TSH)	
	5. Thyroxin total (T4)	
	6. Triidothyronine total (T3)	
	7. Free Thyroxin (Free T4)	
	8. Free Triidothyronine total (Free T3)	

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (continued)	9. Testosterone	
	10. β-Human Chorionic Gonadotropin (β-HCG)	
	11. Estradiol (E2)	
	12. Dehydroepiandrosterone-sulfate (DHEA-s)	
	13. Carcinoembryonic antigen (CEA)	
	14. Cancer antigen CA 125	
	15. Cancer antigen CA 15-3	
	16. Cancer antigen CA 19-9	
	17. Prostate Specific Antigen (PSA)	
	18 Parathyroid (PTH)	
	19. Vitamin B12	
	20. Follate	
Blood serum	**Determination of 4 parameters**	**Automated immunochemical analyzer Cobas e411, Roche***
	1. Alpha-Fetoprotein (AFP)	Electrochemiluminescense (ECLIA) (WP 504A-11, Version 3/22.10.2023)
	2. Immunogloboulin E (IgE)	
	3. Progesterone (PRG)	
	4. Cortisol	

**Reference to the commercial name of a specific analyzer/kit, refers to a specific analytical method and protocol*
IFCC: International Federation of Clinical Chemistry
DGKC: Deutsche Geselschaft fur Klinische Chemie

Site of assessment : **Laboratory permanent premises, 6 Vas. Georgiou str, Thessaloniki, Greece.**
Primary Sample Collection Site: **6 Vas. Georgiou str, Thessaloniki, Greece.**

Approved signatories : **Paraskevi Alexiou.**

This scope of Accreditation replaces the previous one dated 30.04.2024.
The Accreditation Certificate No. **905**-6, to ELOT EN ISO 15189:2022, is valid until 18.02.2027.

Athens, 18th July 2025

Konstantinou Evangelos Apostolos
CEO of ESYD