Hellenic Accreditation System

Annex G1/9 to the Certificate No. **943**-7

SCOPE of ACCREDITATION

of the

Clinical Laboratory

of

AFFIDEA OF KAVALA

Private Multimodality, Medical Single Member SA

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Biochemical Tests		
1. Blood serum	**Determination of 25 parameters**	**Automated biochemical analyzer COBAS Integra 400 plus, Roche***
	1. Glucose	Enzymatic Chromatometric method GOD-PAP (Hexokinase) (OE 504-11, Έκδοση 3/18.8.21)
	2. Triglycerides	Enzymatic Chromatometric method GPO – PAP (OE 504-11, Έκδοση 3/18.8.21)
	3. Total Cholesterol	Enzymatic method CHOD – PAP (OE 504-11, Έκδοση 3/18.8.21)
	4. LDL-Cholesterol	Enzymatic Chromatometric reaction (OE 504-11, Έκδοση 3/18.8.21)
	5. HDL-Cholesterol	Enzymatic Chromatometric reaction (OE 504-11, Έκδοση 3/18.8.21)
	6.Lactate dehydrogenase (LDH)	Photometric reaction UV/optimized (IFCC**) (OE 504-11, Έκδοση 3/18.8.21)
	7. Uric acid	Enzymatic Chromatometric method uricase/peroxidase (OE 504-11, Έκδοση 3/18.8.21)
	8. Urea	Kinetic Enzymatic method / UV (OE 504-11, Έκδοση 3/18.8.21)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (continued)	9. Creatinine	Kinetic Enzymatic method - JAFFE METHOD (OE 504-11, Έκδοση 3/18.8.21)
	10.Total Bilirubin	Photometric method UV Liquid DPD (OE 504-11, Έκδοση 3/18.8.21)
	11.Calcium	Photometric method -5NITRO-5METHYL-BAPTA (OE 504-11, Έκδοση 3/18.8.21)
	12.Phosphorus	Photometric method end point PHOSPHOMOLYBDADE (OE 504-11, Έκδοση 3/18.8.21)
	13.Iron	Colorimetric method /FERROZINE (OE 504-11, Έκδοση 3/18.8.21)
	14.Total Protein	Colorimetric method BIURET (OE 504-11, Έκδοση 3/18.8.21)
	15. Albumin	Photometric method BROMOCRESOL GREEN (OE 504-11, Έκδοση ~~2~~3/18.8.21)
	16.Serum glutamic-oxaloacetic transaminase (SGOT)	Photometric method UV / IFCC** without P-S-P (OE 504-11, Έκδοση 3/18.8.21)
	17. Serum glutamic-pyruvic transaminase (SGPT)	Photometric method UV / IFCC** without P-S-P (OE 504-11, Έκδοση 3/18.8.21)
	18.Gamma-glutamyl trasferase (GGT)	Enzymatic Colorimetric method GCNA-Liquid stand SZASZ (OE 504-11, Έκδοση 3/18.8.21)
	19.Alkaline phosphatase (ALP)	Colorimetric method liquid acc to IFCC** (OE 504-11, Έκδοση 3/18.8.21)
	20.Creatinine kinase (CPK)	Photometric method liquid acc to IFCC** (OE 504-11, Έκδοση 3/18.8.21)
	21. VLDL-Cholesterol	Calculated method (OE 504-11, Έκδοση 3/18.8.21)
	22. Globulins	Calculated method (OE 504-11, Έκδοση 3/18.8.21)
	23. Atheromatic index	Calculated method (OE 504-11, Έκδοση 3/18.8.21)
	24. A/G ratio	Calculated method (OE 504-11, Έκδοση 3/18.8.21)
	25. Total lipids	Calculated method (OE 504-11, Έκδοση 3/18.8.21)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
1. Urine	**Determination of 1 parameter**	**Automated biochemical analyzer Cobas Integra 400 plus, Roche***
	1.Creatinine	Kinetic Enzymatic method - JAFFE METHOD (OE 504-11, Έκδοση 3/18.8.21)
1. Blood serum	**Determination of 2 parameters**	**Automated analyzer ELECTROLYTE 9180, Roche***
	1. Potassium	ISE method (OE 504-11, Έκδοση 3/18.8.21)
	2. Sodium	ISE method (OE 504-11, Έκδοση 3/18.8.21)
Hematological Tests		
Whole blood	**Determination of 8 parameters**	**Automated analyzer SYSMEX**
	1. White Blood Cells (WBC)	Flow Cytometry with fluorescence (OE 504-11, Έκδοση 3/18.8.21)
	2. Red Blood Cells (RBC)	Hydrodynamic Focusing (DC Detection) (OE 504-11, Έκδοση 3/18.8.21)
	3. Hemoglobin (HGB)	Photometry (OE 504-11, Έκδοση 3/18.8.21)
	4. Hematocrit (HCT)	Hydrodynamic Focusing (DC Detection) (OE 504-11, Έκδοση 3/18.8.21)
	5. Mean Cell Volume (MCV)	Calculated method (DC Detection) (OE 504-11, Έκδοση 3/18.8.21)
	6. Mean Cell Hemoglobin (MCH)	Calculated method (DC Detection) (OE 504-11, Έκδοση 3/18.8.21)
	7. Mean corpuscular hemoglobin concentration (MCHC)	Calculated method (DC Detection) (OE 504-11, Έκδοση 3/18.8.21)
	8. Platelets (PLTs)	Hydrodynamic Focusing (DC Detection) (OE 504-11, Έκδοση 3/18.8.21)
Immunochemical Tests		
1. Blood serum	**Determination of 9 parameters**	**Automated immunochemical analyzer COBAS e411, Roche***
	1. Human Chorionic Gonadotropin (HCG)	Electrochemiluminescense (ECLIA) (OE 504-11, Έκδοση 3/18.8.21)
	2. Thyroxin total (T4)	
	3. Triidothyronine total (T3)	

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	4. Free Triidothyronine total (Free T3)	
	5. Free Thyroxin (Free T4)	
	6. Thyrotropin Hormone (TSH)	
	7. Ferritin	
	8. Total Prostate Specific Antigen (TPSA)	
	9. Vitamin B12 (VIT B12)	

**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, 4 Ethnikis Antistaseos str., Kavala.**
Primary sample collection site: Laboratory permanent premises, 4 Ethnikis Antistaseos str., Kavala.
Approved signatories: **Nikolaos Economou.**

This scope of Accreditation replaces the previous one dated 30.03.2023.
The Accreditation Certificate No. **943-**7, to ELOT EN ISO 15189:2022, is valid until **17.11.2027.**

Athens, 16th May 2025

Konstantinou Evangelos Apostolos
CEO of ESYD