Hellenic Accreditation System

Annex G1/10 to the Certificate No.**1054**-4

SCOPE of ACCREDITATION

of the

Clinical Laboratory

KOSMOIATRIKI

PRIVATE DIAGNOSTIC LABORATORY

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Biochemical Tests		
Blood serum	**Determination of 29 parameters**	**Automated biochemical analyzer ATELLICA SOLUTION (CH), SIEMENS*** **SOP_PR_15/5, 20/06/2024**
	1. Glucose	Hexokinase
	2. Urea	Urease with GLDH
	3. Uric acid	Uricase/Peroxidase
	4. Aspartate aminotransferase (AST)	Modified IFCC
	5. Alanine transaminase (ALT)	Modified IFCC
	6. Gamma-glutamyl trasferase (γ-GT)	Modified IFCC
	7. Triglycerides	GPO
	8. Creatinine	Jaffe,alkaline picrate kinetic with blank rate correction
	9. Alkaline phosphatase (ALP)	IFCC Standardization
	10. Lactate Dehydrogenase (LDH)	Lactate /NAD
	11. Iron	Ferrozine

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (continued)	12. Albumin	Colorimetric: bromocresol purple
	13. Cholesterol	Colorimetric: cholesterol esterase and cholesterol oxidase conversion followed by a Trinder endpoin
	14. Creatinine kinase (CPK)	Enzymatic
	15. Total Protein	Biuret
	16. Potassium (K)	Indirect Integrated Multisensor Technology (IMT)
	17. Sodium (Na)	Indirect Integrated Multisensor Technology (IMT)
	18. Calcium	CPC
	19. HDL Cholesterol	Elimination/catalase
	20. Phosphorus	Phosphomolybdate
	21. Magnesium	Xylidyl Blue
	22. Amylase	Ethylidene Blocked -pNPG7
	23. Chlorine	Indirect Integrated Multisensor Technology (IMT)
	24 CRP -HS	Immunoturbidimetric
	25 Immunoglobulin A (IgA)	polyethylene glycol (PEG)
	26 Immunoglobulin_M (IgM)	polyethylene glycol (PEG)
	27 Immunoglobulin_G (IgG)	polyethylene glycol (PEG)
	28 Total Billirubin (TBI)	oxidized by vanadate
	29 Direct Billirubin (DBI)	oxidized by vanadate
Hematological Tests		
Whole blood (EDTA)	**Determination of 15 parameters**	**Automated analyzer ADVIA 2120i, SIEMENS*** **SOP_PR_15,4/03.01.2022**
	1. Hemoglobin (Hb)	Photometric method
	2. Red Blood Cells (RBC)	Flow cytometry method
	3. Platelets (PLT)	Flow cytometry method
	4. White Blood Cells (WBC)	Flow cytometry method
	5. Hematocrit (Ht)	Calculated method
	6. Mean Cell Volume (MCV)	Flow cytometry method

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Whole blood (EDTA) (continued)	7. Mean Cell Hemoglobin (MCH)	Calculated method
	8. Mean corpuscular hemoglobin concentration (MCHC)	Calculated method
	9.Red cell distribution width (RDW)	laser flow cytometry
	10. Neutrophil (Neutr.-Poly.)	peroxidase method
	11.Lymphocyte (Lymphocyte)	peroxidase method
	12. Monocyte (Mono)	peroxidase method
	13. Basophil (Baso)	laser flow cytometry
	14. Eosinophil (Eos)	peroxidase method
	15. Glycated Hemoglobin (HBA1C)	Enzymatic
Immunochemical Tests		
Blood serum	**Determination of 28 parameters**	**Automated Immunology analyzer ATELLICA SOLUTION(IM), SIEMENS*** **SOP_PR_15/5, 20/06/2024**
	1. Prostate Specific Antigen (PSA)	Chemiluminescense
	2. Ferritin	
	3. Triidothyronine total (T3)	
	4. Thyroxin total (T4)	
	5. Thyrotropin Hormone (TSH)	
	6. Free Triidothyronine (Free-T3)	
	7. Free Thyroxin (Free-T4)	
	8. β-Human Chorionic Gonadotropine (β-HCG)	
	9. Carcinoembryonic Antigen (CEA)	
	10. Cancer Antigen 15-3 (Ca 15-3)	
	11. Vitamin B12	

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (continued)	12. Anti-thyroglobulin antibodies (anti-TG)	
	13. Anti-thyroid peroxidase antibodies (anti-TPO)	
	14. Follicle Stimulating Hormone (FSH)	
	15.Luteinizing hormone (LH)	Chemiluminescense
	16.Estradiol (E2)	Chemiluminescense
	17. Prolactin (PRL)	Chemiluminescense
	18. Testosterone (TESTO)	Chemiluminescense
	19. Cancer Antigen 19.9 (19.9)	Chemiluminescense
	20.Cancer Antigen 125 (Ca 125)	Chemiluminescense
	21. Follic Acid	Chemiluminescense
	22. Cortisol. (Cort.)	Chemiluminescense
	23. Insulin (Iri)	Chemiluminescense
	24. Parathormone. (PTH)	Chemiluminescense
	25. Progesteron (PRG)	Chemiluminescense
	26. AFP	Chemiluminescense
	27. Immunoglobulin E (IgE)	Chemiluminescense
	28. Vitamin D3-25- OH	Chemiluminescense

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

Site of assessment: **Laboratory permanent premises, 237 Patision str, Koliatsou Sq., 11252, Athens, Greece.**
Approved signatories: **S.Vlachos, K. Kotsifakis.**

PRIMARY SAMPLE COLLECTION SITES:
1. KOSMOIATRIKI 237 Patision str, KOLIATSOU, ATHENS 11254
2. KOSMOIATRIKI AMFIARAOU 165, SEPOLIA, ATHENS 10443
3. KOSMOIATRIKI THIVON 439, ILION, ATHENS 13121
4. KOSMOIATRIKH HAKLIDOS 12, ANO PATISIA, ATHENS 11143

This scope of Accreditation replaces the previous one dated 05.03.2025.
The Accreditation Certificate No.**1054**-4, to ELOT EN ISO 15189:2022, is valid until 08.09.2029.

Athens, 7th of May 2025

Konstantinou Evangelos Apostolos
CEO of ESYD