HELLENIC ACCREDITATION SYSTEM

Annex G1/A8 to the Certificate No. **987**-4

SCOPE of ACCREDITATION

of the

Clinical laboratory

of

D. Papandreou Private Multimodality, Medical S.A.

Tested materials / products	Types of test / Properties	Applied standards / Techniques
Biochemical tests		
Blood serum	**Determination of 29 parameters**	**Automated biochemical analyzer, Atellica CH 930 (Siemens)* (D03e68-5.0/ 13-1-2026)**
	1. Glucose	Enzymatic (HK/6-PDH)
	2. Urea	Enzymatic (Urease, UV)
	3. Creatinine (CREAT)	Kinetic (Jaffé)
	4. Uric acid (UA)	Enzymatic (Uricase- PAP)
	5. Calcium (Ca)	Complex-metric (o-CPC)
	6. Phosphorus (PHOS)	Complex-metric (Molybdate, UV)
	7. Albumin (ALB)	Colorimetric (BCG)
	8. Total Protein (TP)	Colorimetric (Biuret)
	9. Globulins (GLOB)	Calculation from Protein and Albumin
	10. Total Bilirubin (TBILI)	Diazo with Cafeine/Benzoate (Doumas method)
	11. Direct Bilirubin (DBILI)	Diazo with Cafeine/Benzoate (Doumas method)
	12. InDirect Bilirubin (IBILI)	Calculation from Total and Direct Bilirubin
	13. Iron	Complex-metric (Ferrene)
	14. Magnesium (Mg)	Complex-metric (MTB/EGTA)
	15. Total cholesterol (tCHOL)	Enzymatic (CHOD – POD)
Blood serum (continued)	16. High Density Lipoprotein Cholesterol (HDL-Chol)	Direct without precipitation

Tested materials / products	Types of test / Properties	Applied standards / Techniques
	17. Triglycerides (TRIG)	Enzymatic (GPO – PAP)
	18. Low Density Lipoprotein Cholesterol (LDL-Chol)	Calculation from TRIG, HDL-CHOL, tCHOL
	19. Amylase (AMY)	GNPG3
	20. Alkaline phosphatase (ALP)	pNPP/IFCC**
	21. Gamma glutamyl transferase (γGT)	GCNA-SZASZ/IFCC
	22. Creatinine kinase (CK)	NAC/IFCC
	23. Lactate Dehydrogenase (LDH)	L->P, IFCC
	24. Alanine aminotransferase (ALT/SGPT)	IFCC
	25. Aspartate aminotransferase (AST/GOT)	IFCC
	26. Sodium (Na)	ISE
	27. Potassium (K)	ISE
	28. C reactive protein (CRP)	Turbidimetric Immunoassay
Whole Blood (EDTA)	29. Glycated hemoglobin (HbA1c)	Colorimetric (DCCT***)
Immunochemical tests		
Blood serum	**Determination of 23 parameters**	**Automated immunochemical Attelica IM 1600 (Siemens)* (D03e68-5.0/13-1-2026)**
	1. Thyrotropin Hormone (TSH)	Chemiluminescence (CIA) (Acridinium ester)
	2. Free Thyroxin (FT_4)	
	3. a-fetoprotein (AFP)	
	4. Free Triiodothyronine (FT_3)	
	5. Thyroxin (T_4)	
	6.Triiodothyronine (T_3)	
	7. Carcinoembrionic antigen (CEA)	
	8. Ca 15-3	
	9. Ca 19-9	
	10. Ca 125	
	11. Prostatic Antigen (PSA)	
	12. Ferritine (FERR)	

Tested materials / products	Types of test / Properties	Applied standards / Techniques
Blood serum (continued)	13. Folic Acid	
	14. Vitamin B12	
	15. Luteinizing hormone (LH)	
	16. Follicle-stimulating hormone (FSH)	
	17. Total 25(OH) Vitamin D (VitD)	
	18. Anti-Thyroglobulin antibodies (anti-TG)	
	19. Anti-Thyroid Peroxidase antibodies (anti-TPO)	
	20. Parathormone (PTH)	
	21. Creatine Kinase - Isoenzyme MB (CK-MB mass)	
	22. Testosterone (TESTO)	
	23. Prolactin (PRL)	
Hematological tests		
Whole Blood (EDTA)	**Determination of 16 parameters**	**Automated analyzer Advia 2120i (Siemens)**
	1. Hemoglobin (HGB)	Photometry and flow cytometry (OED54-1.1, 12/01/2017)
	2. Hematocrit (HCT)	Calculated from MCV (OED54-1.1, 12/01/2017)
	3. White Blood Cells (WBC)	Flow cytometry (OED54-1.1, 12/01/2017)
	4. Red Blood Cells (RBC)	Flow cytometry (OED54-1.1, 12/01/2017)
	5. Platelets (PLTs)	Flow cytometry (OED54-1.1, 12/01/2017)
	6. Mean Cell Volume (MCV)	Flow cytometry (OED45-1.0, 23/02/2017)
	7. Mean Cell hemoglobin (MCH)	Calculated from HGB/RBC (OED45-1.0, 23/02/2017)
	8. Mean Cell Hemoglobin Concentration (MCHC)	Calculated from HGB/HCT (OED45-1.0, 23/02/2017)
	9. Red Blood cell Distribution Width (RDW)	Calculated from RBC histogram (OED45-1.0, 23/02/2017)
	10. Mean platelets Volume (MPV)	Calculated from PLT histogram (OED45-1.0, 23/02/2017)

Tested materials / products	Types of test / Properties	Applied standards / Techniques
Whole Blood (EDTA) (continued)	11. Neutrophils (Concentration and percentage%)	Flow Cytometry and staining (OED54-1.1, 12/01/2017)
	12. Lymphocytes (Concentration and percentage%)	Flow Cytometry and staining (OED54-1.1, 12/01/2017)
	13. Eosinophils (Concentration and percentage%)	Flow Cytometry and staining (OED45-1.0, 23/02/2017)
	14. Basophiles (Concentration and percentage)	Flow Cytometry and staining (OED54-1.1, 12/01/2017)
	15. Monocytes Concentration and percentage%)	Flow Cytometry and staining (OED54-1.1, 12/01/2017)
Blood film	**Determination of 3 parameters**	**Microscopy**
	1. White blood cell differentiation count	OED37-1.1, 14/2/2020
	2. Red blood cells morphology	OED59-1.0, 20/7/2020
	3. Platelets morphology	OED36-1.2, 14/2/2020
Urinalysis		
Urine specimen	**Macroscopic parameters (3 parameters) (OED44-1.5/10-03-2026)**	
	1. Clarity/Turbidity	Automated reflectometry (Clinitek Novus, Siemens*)
	2. Color	
	3. Sediment	Physical examination
	Urine biochemical tests (10 parameters) (OED44-1.5/10-03-2026)	
	1. pH	Automated reflectometry (Clinitek Novus, Siemens*)
	2. Specific gravity	
	3. Protein	
	4. Glucose	
	5. Ketones	
	6. Bilirubin	
	7. Urobilinogen	

Tested materials / products	Types of test / Properties	Applied standards / Techniques
	8. Nitrate	
	9. Blood	
	10. Leucocytes	
Urine sediment	**Microscopic parameters (8 parameters) (OED44-1.5/10-03-2026)**	
	1. White blood cells	Phase contrast microscopy (Microscope Zeiss Axiostar plus)
	2. Red blood cells	
	3. Epithelial cells	
	4. Crystals	
	5. Unformed salts	
	6. Casts	
	7. Mucus	
	8. Microorganisms	

**Reference to the commercial name of a specific analyzer, refers to a specific analytical method and protocol*
***IFCC: International Federation of Clinical Chemistry*
****DCCT: Diabetes Control and Complications Trial*

Site of assessment: **Permanent laboratory premises, Patision Avenue 49, 10433, Athens, Greece.**
Approved signatories: **Savas Chaikalis.**

Places of primary sample collection.

1. Patision 49, Athens, (D. Papandreou Private Multimodality, Medical S.A. [central laboratory])
2. Patision 345, Athens, (D. Papandreou Private Multimodality, Medical S.A [branch]).

This scope of Accreditation replaces the previous one dated 12.09.2025.
The Accreditation Certificate No. **987**-4, to ELOT EN ISO 15189:2022, is valid until 02.07.2028.

Athens, 29th of June 2026

Konstantinou Evangelos Apostolos
CEO of ESYD