Hellenic Accreditation System

Annex to the G1/1 to Certificate No. **1486**

SCOPE of ACCREDITATION

of the

Diagnostic Laboratory

of

TH. PANOPOULOS PRIVATE DIAGNOSTIC LABORATORY MEDICAL S.A.

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Biochemical Testing		
Blood serum	**Determination of 19 parameters**	**Automated biochemistry analyzer ROCHE COBAS 6000 c501**
	1. Alanine aminotransferase (ALT/GPT)	Enzymatic, photometric (IFCC)
	2. Albumin	Colorimetric, Bromocresol Green (BCG)
	3. Calcium (Ca)	Colorimetric
	4. Aspartateaminotransferase (AST/GOT)	Enzymatic, photometric (IFCC)
	5. Gamma-glutamyl trasferase (γ-GT)	Enzymatic, photometric (IFCC)
	6. Lactate dehydrogenase (LDH)	Enzymatic, photometric (IFCC)
	7. Glucose	Enzymatic, Hexokinase (HK method)
	8. Potassium (K)	Indirect ISE (ion-selective electrode)
	9. Creatine kinase (CPK)	Enzymatic, colorimetric
	10. Creatinine	Kinetic Jaffe method (compensated Jaffe)
	11. Sodium (Na)	Indirect ISE (ion-selective electrode)
	12. Urea	Kinetic enzymatic method (urease–GLDH)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (Continued)	13. Uric Acid	Enzymatic, colorimetric
	14. Total Proteins (TP)	Colorimetric (Biuret method – implied)
	15. Iron (Fe)	Colorimetric (FerroZine method)
	16. Triglycerides	Enzymatic, colorimetric
	17. Alkaline Phosphatase (ALP)	Enzymatic, photometric (IFCC)
	18. Cholesterol	Enzymatic, colorimetric
	19. HDL Cholesterol	Enzymatic, colorimetric
Immunological Tests		
Blood serum	**Determination of 7 parameters**	**Automated biochemistry analyzer ROCHE COBAS e601**
	1. β-HCG, β-Human Chorionic Gonadotropin	Electrochemiluminescence ECLIA
	2. Vitamin B-12	
	3. Prostate-Specific Antigen , PSA	
	4. Free Thyroxine, FT4	
	5. Thyroid-Stimulating Hormone, TSH	
	6. Ferritin (Ferr)	
	7. Folic Acid (FOL)	
Complete Blood Count (CBC)		
Whole blood (EDTA)	**Determination of 9 parameters**	**Automated hematology analyzer SYSMEX XN-530**
	1. Hematocrit (HCT)	DC pulse width detection derived from RBC impedance measurement
	2. Hemoglobin (Hb)	Photometric measurement (SLS-Hb method)
	3. Mean Corpuscular Hemoglobin (MCH)	Calculated parameter
	4. Mean Corpuscular Hemoglobin Concentration (MCHC)	Calculated parameter
	5. Mean Corpuscular Volume (MCV)	Calculated parameter
	6. Platelets (PLT)	Hydrodynamic focusing with DC impedance pulse measurement

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Whole blood (EDTA) (Continued)	7. Red Cell Distribution Width (RDW-CV)	Calculated parameter
	8. Red Blood Cells (RBC)	Hydrodynamic focusing with DC impedance pulse measurement
	9. White Blood Cells (WBC)	Flow cytometry with laser fluorescence and scatter detection

Location of assessment: **Permanent Laboratory Premises, 280 Demokratias Avenue, Acharnes**

Primary Sample Collection Site: **Permanent Laboratory Premises, 280 Demokratias Avenue, Acharnes.**

Authorized signatories: **D. Psychogyiou, S. Karasaridou, A. Panopoulos**

Athens, 12th of January 2026

Konstantinou Evangelos Apostolos
CEO of ESYD