Hellenic Accreditation System

Annex G1/5 to the Certificate No. **1167**-2

SCOPE of ACCREDITATION

of the

Private Diagnostic Laboratory

of

EVANG. PAPPADA & CO

d.t BIOANALYSIS LARISAS

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Biochemical Tests		
Blood serum	**Determination of 24 parameters**	**Automated analyzer Cobas 6000, ROCHE, unit c501, serial number 0745-10** E.530-1 List of Tests and Methods, 29/5/2023
	1. Glucose	Enzymatic reference method with hexokinase
	2. Triglycerides	Enzymatic / Colorimetric method
	3. Cholesterol (total)	Enzymatic / Colorimetric method
	4. Uric acid	Enzymatic / Colorimetric method
	5. Urea	Kinetic with urease and glutamate dehydrogenase
	6. Creatinine	Enzymatic method
	7. Calcium	Photometric reaction
	8. Phosphorus	Molybdate UV
	9. Iron	Colorimetric method
	10. Total protein	Colorimetric method
	11. Albumin	Colorimetric method
	12. Magnesium	Colorimetric endpoint method
	13. Pseudocholinesterase (CHE)	Colorimetric method
	14. Aspartate aminotransferase (AST)	IFCC without pyridoxal phosphate activation
	15. Alanine aminotransferase (ALT)	IFCC without pyridoxal phosphate activation

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Blood serum (continued)	16. gamma-glutamyltranspeptidase (γ-GT)	Enzymatic / Colorimetric method
	17. Alkaline Phosphatase (ALP)	Colorimetric method
	18. Creatine Kinase (CK)	Ultraviolet light resolution
	19. Lactate dehydrogenase (LDH)	Ultraviolet light resolution
	20. Cholesterol HDL	Homogeneous Enzymatic / Colorimetric method
	21. Amylase	Enzymatic / Colorimetric IFCC method
	22. Total bilirubin (TBIL)	Colorimetric diazo method
	23. Direct bilirubin (DBIL)	Colorimetric diazo method
	24. Glycosylated Hemoglobin (HbA1c)	Turbidimetric inhibition immunoassay (TINIA)
Immunochemical testing		
Blood Serum	**Determination of 3 parameters**	**Automated analyzer Cobas 6000, ROCHE, unit e601, serial number 1979-09** E.530-1 List of Tests and Methods, 29/5/2023
	1. Thyroid-stimulating hormone (TSH)	Electrochemiluminescence “CMIA”
	2. Ferritin	Electrochemiluminescence “ECLIA”
	3. Prostate Specific Antigen (PSA)	Electrochemiluminescence “ECLIA”
Ionoelectric Testing		
Blood Serum	**Determination of 2 parameters**	**Automated analyzer EasyLyte** E.530-1 List of Tests and Methods, 29/5/2023
	1. Potassium	Ion Selective Electrode ISE
	2. Sodium	Ion Selective Electrode ISE
Hematology Testing		
1. Whole Blood (EDTA)	**Determination of 13 parameters**	**Automated hematological analyzer Automated hematological analyzer Sysmex XS 1000i** E.530-1 List of Tests and Methods, 29/5/2023
	1. Hemoglobim (HGB)	Hemoglobin Detection Method SLS
	2. Red Blood Cells (RBC)	Hydro Dynamic Focusing method
	3. White Blood Cells (WBC)	Flow cytometry
	4. Platelets (PTLs)	Hydro Dynamic Focusing method

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
	5. Haematocrit (HCT%)	Computational method
	6. Mean Corpuscular Volume (MCV)	Hydro Dynamic Focusing method
	7. Mean Corpuscular Haemoglobin (MCH)	Computational method
	8. Mean corpuscular hemoglobin concentration (MCHC)	Computational method
	9. Red Blood Cell Distribution Width (RWD-CV%)	Hydro Dynamic Focusing method
	10. Red Blood Cell Distribution Width (RWD-SD%)	Computational method
	11. Mean platelet volume (MPV)	Hydro Dynamic Focusing method
	12. Platelecrit (PCT %)	Hydro Dynamic Focusing method
	13. White Blood Cell Differential Count (absolute number and %)**:** Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils	Flow cytometry
Blood films	**White Blood Cell Differential Count** (absolute number and %)**:** Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils, Abnormal Cells. Morphology of red blood cells, white blood cells, platelets.	Microscopic examination Guidance G.410-6, Version 1, 28/7/2021

**Reference to the commercial name of a specific analyzer/kit, refers to a specific analytical method and protocol*

Site of assessment: **Laboratory Permanent premises, 3 Panos str., Larisa, Greece.**
Approved signatories: E. Pappada, A. Gkalmpenis, G. Maikou

This scope of Accreditation replaces the previous one dated 12.05.2023.
The Accreditation Certificate No.**1167**-2, to ELOT EN ISO 15189:2012, is extended until 13.05.2028.

Athens, 11.09.2023

Christos Nestoras
CEO of ESYD