Hellenic Accreditation System

Annex G1/Γ8 to the Certificate No. **908**-7

SCOPE of ACCREDITATION

of the

Clinical Laboratory

of the

PLUSMA PRIVATE DIAGNOSTIC LABORATORIES MEDICAL S.A.

PATRA BRANCH

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Biochemical tests		
	Determination of 1 parameter	**HPLC Arkray HA-8180V** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
Whole blood/EDTA	1. HbA1c	High performance liquid chromatography (HPLC)
	Determination of 38 parameters	**Thermo Konelab 60i** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
serum/plasma (heparin)	1. ALT/SGPT	Konelab 60i 1/ IFCC modified (UV without P5P)
serum/plasma (heparin)	2. AST/SGOT	Konelab 60i 1/ IFCC modified (UV without P5P)
serum	3. CK-MB	Konelab 60i 1/Photometric-UV NAC activated
serum/plasma (heparin)	4. CPK	Konelab 60i 1/Enzymatic/ IFCC (37ºC)
serum	5. CRP qualitative	Siemens latex
serum	6. LDH	Konelab 60i 1/ Enzymatic (Pyruvate-lactate)
serum	7. TIBC	Calculation
serum/plasma (EDTA)	8. Urea Nitrogen - BUN	Calculation
serum/plasma (heparin)	9. Total/HDL Cholesterol Index	Calculation
serum/plasma (heparin	10. Albumin	Konelab 60i 1/Colorimetric (Bromocresol purple)
serum/plasma (heparin)	11. Amylase	Konelab 60i 1/Enzymatic (pNPG7 blocked)
serum	12. Calcium (Ca) total	Konelab 60i 1/Colorimetric (Arsenazo III)
serum/plasma (heparin)	13. γ-GT	Konelab 60i 1/ Photometric - IFCC
serum/plasma (EDTA)	14. Glucose	Konelab 60i 1/ Enzymatic (Hexokinase/ G6PDH)
serum/plasma (heparin Li^+)	15. Potassium	Konelab 60i 1/ Direct potentiometry (ISE)
serum/plasma (heparin)	16. Creatinine	Konelab 60i 1/ Enzymatic – colorimetric (Jaffe)
serum	17. Albumin/Globulin Index	Calculation
serum/plasma (EDTA)	18. Lipids total	Calculation
serum	19. Magnesium (Mg)	Konelab 60i 1/ Enzymatic-colorimetric (Xylidyl blue)
serum/plasma (heparin Li^+)	20. Sodium (Na)	Konelab 60i 1/ Direct potentiometry (ISE)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
serum/plasma (EDTA)	21. Urea	Konelab 60i 1/ Enzymatic (urease/ GLDH/ UV)
serum/plasma (heparin)	22. Uric acid	Konelab 60i 1/ Enzymatic – colorimetric (uricase/ peroxidase)
serum/plasma (heparin)	23. Protein total	Konelab 60i 1/ Photometric – Biuret
serum/plasma (heparin)	24. eGFR	Calculation (NKDEP)
serum/plasma (heparin)	25. Iron (Fe)	Konelab 60i 1/ Colorimetric (Ferrozine)
serum/plasma (heparin/ EDTA)	26. Globulins total	Calculation
serum/plasma (EDTA)	27. Triglycerides	Konelab 60i 1/ Enzymatic – colorimetric (GPO Trinder)
serum	28. Alkaline Phosphatase	Konelab 60i 1/ Photometric IFCC (AMP Buffer)
serum/plasma (heparin)	29. Phospholipids	Calculation
serum	30. Phosphorous inorganic (P)	Konelab 60i 1/ Photometric – Phosphomolybdate
serum/plasma (heparin Li^+)	31. Bilirubin direct	Konelab 60i 1/ Colorimetric - vanadate oxidation
serum/plasma (heparin Li^+)	32. Bilirubin indirect	Calculation
ορός/πλάσμα (ηπαρίνη Li^+)	33. Bilirubin total	Konelab 60i 1/ Colorimetric - vanadate oxidation
serum/plasma (heparin)	34. Cholesterol total	Konelab 60i 1/ Enzymatic – colorimetric
serum/plasma (heparin)	35. Cholesterol HDL	Konelab 60i 1/ Enzymatic – colorimetric
serum/plasma (heparin)	36. Cholesterol LDL	Calculation
serum/plasma (EDTA)	37. Cholesterol VLDL	Calculation
serum	38. Osmolality	Calculation
	Determination of 2 parameters	**Thermo Konelab 60i** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. CRP wide range	Konelab 60i 1/ Immunoturbidimetry (latex)
serum	2. Lp(a)	Konelab 60i 1/ Immunoturbidimetry (latex)
	Determination of 1 parameter	**Thermo Konelab 60i 2** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum/plasma (EDTA)	1. Homocystein	Enzymatic
Immunochemical tests		
	Determination of 14 parameters	**Siemens Centaur XP** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Ferritin	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	2. Vitamin B-12	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	3. Vitamin D [25-hydroxy]	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	4. Folate	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	5. T3	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	6. T3 free	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	7. T4	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	8. T4 free	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	9. anti-Tg	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	10. anti-TPO	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	11. TSH	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	12. Calcitonin	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	13. Parathormone intact (PTH intact)	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	14. Cortisol	Siemens Centaur XP 13/ Chemiluminescence (CLIA)
	Determination of 8 parameters	**Siemens Centaur XP** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. AFP	Siemens Centaur XP 7/ Chemiluminescence (CLIA)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
serum	2. CA 15.3	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	3. CA 19.9	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	4. CA 125	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	5. CEA	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	6. PSA	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	7. PSA free	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	8. Ratio free/total PSA	Calculation
	Determination of 10 parameters	**Siemens Centaur XP** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. DHEA-S	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	2. FSH	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	3. LH	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	4. SHBG	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	5. Androstendione	Siemens Centaur XP 13/ Chemiluminescence (CLIA)
serum	6. hCG	Siemens Centaur XP 13/ Chemiluminescence (CLIA)
serum	7. Estradiol (E2)	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	8. Progesterone	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	9. Prolactin	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
serum	10. Testosterone total	Siemens Centaur XP 7/ Chemiluminescence (CLIA)
	Determination of 2 parameters	**Siemens Centaur XP 13** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Insulin	Chemiluminescence (CLIA)
serum/plasma (heparin Li^+)	2. Troponin-I high sensitive	Chemiluminescence (CLIA)
	Determination of 10 parameters	**Siemens Centaur XP 14** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. HBs Ag	Chemiluminescence (CLIA)
serum	2. HBs antibodies	Chemiluminescence (CLIA)
serum	3. HBc antibodies total	Chemiluminescence (CLIA)
serum	4. HCV antibodies	Chemiluminescence (CLIA)
serum	5. HIV Ag/Ab	Chemiluminescence (CLIA)
serum	6. Syphilis antibodies (Treponema IgG+IgM)	Chemiluminescence (CLIA)
serum	7. Toxoplasma IgG	Chemiluminescence (CLIA)
serum	8. Toxoplasma IgM	Chemiluminescence (CLIA)
serum	9. Rubella IgG	Chemiluminescence (CLIA)
serum	10. Rubella IgM	Chemiluminescence (CLIA)
	Determination of 2 parameters	**Siemens Immulite 2000** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. CMV IgG	Chemiluminescence (CLIA)
serum	2. CMV IgM	Chemiluminescence (CLIA)

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

Site of assessement : **Permanent Laboratory premises, 7 Aratou str, 262 21, Patra, Greece.**
Approved signatories: **Giorgos Oikonomopoulos.**

This scope of Accreditation replaces the previous one dated 16.12.2022.
The Accreditation Certificate No. **908**-7, to ELOT EN ISO 15189:2022, is valid until 18.03.2027.

Athens, 8th of August 2025

Konstantinou Evangelos Apostolos
CEO of ESYD