Hellenic Accreditation System

Annex G1/B8 to the Certificate No. **908**-7

SCOPE of ACCREDITATION

of the

Clinical Laboratory

of the

PLUSMA PRIVATE DIAGNOSTIC LABORATORIES MEDICAL S.A.
THESSALONIKI BRANCH

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Biochemical tests		
	Determination of 1 parameter	**HPLC Arkray HA-8380V** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
Whole blood/EDTA	1. HbA1c	High performance liquid chromatography (HPLC)
	Determination of 45 parameters	**Thermo Konelab 60i 6** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
serum/plasma (heparin)	1. ALT/SGPT	Photometric - IFCC modified (UV without P5P)
serum/plasma (heparin	2. AST/SGOT	Photometric - IFCC modified (UV without P5P)
serum	3. CK-MB	Photometric-UV NAC activated
serum/plasma (heparin)	4. CPK	Enzymatic/ IFCC (37ºC)
serum	5. CRP qualitative	Siemens latex
serum	6. LDH	Enzymatic (Pyruvate-lactate)
serum	7. RA qualitative	Siemens latex
serum	8. TIBC	Calculation
serum/plasma (EDTA)	9. Urea Nitrogen - BUN	Calculation
serum/plasma (heparin)	10. Total/HDL Cholesterol Index	Calculation
serum	11. Albumin	Colorimetric (Bromocresol green)
serum/plasma (heparin)	12. Amylase	Enzymatic (pNPG7 blocked)
serum/plasma (heparin)	13. Calcium (Ca) total	Colorimetric (Arsenazo III)
urine	14. Calcium (Ca) in urine	Colorimetric (Arsenazo III)
serum/plasma (heparin)	15. γ-GT	Photometric - IFCC
serum/plasma (EDTA)	16. Glucose	Enzymatic (Hexokinase/ G6PDH)
serum/plasma (heparin Li^+)	17. Potassium	Direct potentiometry (ISE)
serum/plasma (heparin)	18. Creatinine	Enzymatic – colorimetric (Jaffe)
urine	19. Creatinine in urine	Enzymatic – colorimetric (Jaffe)
serum+urine	20. Creatinine clearance	Calculation
serum	21. Albumin/Globulin Index	Calculation
serum/plasma (EDTA)	22. Lipids total	Calculation
serum/plasma (heparin)	23. Magnesium (Mg)	Enzymatic – colorimetric (Xylidyl blue)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
serum/plasma (heparin Li^+)	24. Sodium (Na)	Direct potentiometry (ISE)
serum/plasma (EDTA)	25. Urea	Enzymatic (urease/ GLDH/ UV)
serum/plasma (heparin)	26. Uric acid	Enzymatic – colorimetric (uricase/ peroxidase)
serum/plasma (heparin)	27. Protein total	Photometric – Biuret
urine	28. Protein total in urine	Pyrogallol red
serum/plasma (heparin)	29. eGFR	Calculation (NKDEP)
serum/plasma (heparin)	30. Iron (Fe)	Colorimetric (Ferrozine)
serum/plasma (heparin/ EDTA)	31. Globulins total	Calculation
serum	32. Transferrin	Immunoturbidimetry (PEG)
serum	33. Transferrin saturation	Calculation
serum/plasma (EDTA)	34. Triglycerides	Enzymatic – colorimetric (GPO Trinder)
serum	35. Alkaline Phosphatase	Photometric IFCC (AMP Buffer)
serum/plasma (heparin)	36. Phospholipids	Calculation
serum	37. Phosphorous inorganic (P)	Photometric – Phosphomolybdate
serum/plasma (heparin Li^+)	38. Bilirubin direct	Colorimetric - vanadate oxidation
serum/plasma (heparin Li^+)	39. Bilirubin indirect	Calculation
serum/plasma (heparin Li^+)	40. Bilirubin total	Colorimetric - vanadate oxidation
serum/plasma (heparin)	41. Cholesterol total	Enzymatic – colorimetric
serum/plasma (heparin)	42. Cholesterol HDL	Enzymatic – colorimetric
serum/plasma (heparin)	43. Cholesterol LDL	Calculation
serum/plasma (EDTA)	44. Cholesterol VLDL	Calculation
serum	45. Osmolality	Calculation
	Determination of 3 parameters	**Thermo Konelab 60i 6** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
serum	1. CRP wide range	Immunoturbidimetry (latex)
serum	2. Lp (a)	Immunoturbidimetry (latex)
serum	3. Rheumatoid factor (RF)	Immunoturbidimetry (latex)
	Determination of 2 parameter	**Thermo Konelab 60i 5** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
serum/plasma (EDTA)	1. Homocystein	Enzymatic
serum	1. ASTO	Immunoturbidimetry (latex)
Immunochemical tests		
	Determination of 14 parameters	**Siemens Centaur XP** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
serum	1. Ferritin	Siemens Centaur XP 9/Chemiluminescence (CLIA)
serum	2. Vitamin B-12	Siemens Centaur XP 9/Chemiluminescence (CLIA)
serum	3. Vitamin D [25-hydroxy]	Siemens Centaur XP 9/Chemiluminescence (CLIA)
serum	4. Folate	Siemens Centaur XP 9/Chemiluminescence (CLIA)
serum	5. T3	Siemens Centaur XP 9/ Chemiluminescence (CLIA)
serum	6. T3 free	Siemens Centaur XP 9/ Chemiluminescence (CLIA)
serum	7. T4	Siemens Centaur XP 9/ Chemiluminescence (CLIA)
serum	8. T4 free	Siemens Centaur XP 9/ Chemiluminescence (CLIA)
serum	9. anti-Tg	Siemens Centaur XP 9/ Chemiluminescence (CLIA)
serum	10. anti-TPO	Siemens Centaur XP 9/ Chemiluminescence (CLIA)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
serum	11. TSH	Siemens Centaur XP 9/Chemiluminescence (CLIA)
serum	12. Calcitonin	Siemens Centaur XP 9/ Chemiluminescence (CLIA)
serum/plasma (heparin Li^+/ Na^+/EDTA)	13. Parathormone intact (PTH intact)	Siemens Centaur XP 9/ Chemiluminescence (CLIA)
serum	14. Cortisol	Siemens Centaur XP 8/ Chemiluminescence (CLIA)
	Determination of 8 parameters	**Siemens Centaur XP** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
serum	1. AFP	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	2. CA 15.3	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	3. CA 19.9	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	4. CA 125	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	5. CEA	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	6. PSA	Siemens Centaur XP 9/ Chemiluminescence (CLIA)
serum	7. PSA free	Siemens Centaur XP 9/ Chemiluminescence (CLIA)
serum	8. Ratio free/total PSA	Calculation
	Determination of 10 parameters	**Siemens Centaur XP** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
serum	1. DHEA-S	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	2. FSH	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	3. LH	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	4. SHBG	Siemens Centaur XP 12/ Chemiluminescence (CLIA
serum	5. Androstendione	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	6. hCG	Siemens Centaur XP 8/ Chemiluminescence (CLIA)
serum	7. Estradiol (E2)	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	8. Progesterone	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	9. Prolactin	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
serum	10. Testosterone total	Siemens Centaur XP 12/ Chemiluminescence (CLIA)
	Determination of 3 parameters	**Siemens Centaur XP 8** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
serum	1. IgE	Chemiluminescence (CLIA)
serum	2. Insulin	Chemiluminescence (CLIA)
serum/plasma (heparin Li^+)	3. Troponin-I high sensitive	Chemiluminescence (CLIA)
	Determination of 10 parameters	**Siemens Centaur XP 12**

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
		ΤΠ602-03-24-03-2025, KTA/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, KTA/30/01.11.2021
serum	1. CMV IgG	Chemiluminescence (CLIA)
serum	2. CMV IgM	Chemiluminescence (CLIA)
	Determination of 1 parameter	**Siemens Immulite 2000** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
serum	1. Thyroglobulin (Tg)	Chemiluminescence (CLIA)
Immunological tests		
	Determination of 9 parameters	**Cypress Bacterial Antigens - Flocculation assays** ΤΠ602-03-24-03-2025, KTA/30/01.11.2021
serum	1. Wright	Brucella sp. antigen
serum	2. Widal-TH	Salmonella H (Typhi H) antigen
serum	3. Widal-BH	Salmonella H (Paratyphi B-H) antigen
serum	4. Widal-TO	Salmonella O (Typhi O) antigen
serum	5. Widal-BO	Salmonella O (Paratyphi B-O) antigen
serum	6. Widal-AO	Salmonella O (Paratyphi A-O) antigen
serum	7. Widal-AH	Salmonella H (Paratyphi A-H) antigen
serum	8. Widal-CO	Salmonella O (Paratyphi C-O) antigen
serum	9. Widal-CH	Salmonella H (Paratyphi C-H) antigen

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

Site of assessement : **Permanent Laboratory premises, 2 Dodekanissou str, 546 26, Thessaloniki, Greece.**
Approved signatories: **Lindita Kyriazi.**

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