Hellenic Accreditation System

Annex G1/A16 to the Certificate No. **908**-7

SCOPE of ACCREDITATION

of the

Clinical Laboratory

of the

PLUSMA PRIVATE DIAGNOSTIC LABORATORIES MEDICAL S.A.

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Biochemical tests		
	Determination of 1 parameter	**Arkray HA8190 1&2** ΤΠ602-03-24-03-2025
WB/EDTA	1. HbA1c	High performance liquid chromatography (HPLC)
	Determination of 4 parameters	**Arkray HA-8180T** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
WB/EDTA	1. Hemoglobin screen (HPLC)	High performance liquid chromatography (HPLC)
WB/EDTA	2. Hemoglobin A2	High performance liquid chromatography (HPLC)
WB/EDTA	3. Hemoglobin F	High performance liquid chromatography (HPLC)
WB/EDTA	4. Hemoglobin S (detection)	High performance liquid chromatography (HPLC)
	Determination of 66 parameters	**Siemens Atellica CH** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. ACE	Siemens Atellica 3 CH/ Enzymatic (UV)
serum/plasma (heparin Li^+)	2. ALT/SGOT	Siemens Atellica 1, 2, 3 CH/ IFCC modification
serum/plasma (heparin Li^+)	3. AST/SGPT	Siemens Atellica 1, 2, 3 CH / IFCC modification
serum/plasma (EDTA)	4. CK-MB	Siemens Atellica 3 CH/Photometric-UV NAC activated
serum/plasma (heparin Li^+)	5. CPK	Siemens Atellica 2, 3 CH/ IFCC
serum	6. CRP qualitative	Siemens/ Atellica CH 2,3
serum	7. LDH	Siemens Atellica 2, 3 CH/Enzymatic
serum	8. RA qualitative	Siemens/ Atellica CH 3
serum	9. TIBC	Calculation
serum	10. Urea Nitrogen - BUN	Calculation
serum	11. Total/HDL Cholesterol Index	Calculation
serum	12. Aldolase	Siemens Atellica 3 CH/Enzymatic (TIM/GDH)
Serum/plasma	13. Albumin	Siemens Atellica 2, 3 CH/Bromocresol green

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
(EDTA)		
plasma/ EDTA	14. Ammonia	Siemens Atellica 3 CH/Enzymatic (GLDH/ NADPH)
serum/plasma (heparin Li^+)	15. Amylase	Siemens Atellica 2, 3 CH/Eznymatic (pNPG7 blocked)
serum/plasma (heparin Li^+)	16. Calcium (Ca) total	Siemens Atellica 2, 3 CH/Arsenazo III
urine	17. Calcium (Ca) in urine	Siemens Atellica 3 CH/Arsenazo III
serum/plasma (heparin Li^+)	18. γ-GT	Siemens Atellica 1, 2, 3 CH/ IFCC modification
plasma/ EDTA	19. Lactate	Siemens Atellica 3 CH/Enzymatic-Colorimetric
serum/plasma (heparin Li^+/ EDTA)	20. Glucose	Siemens Atellica 1, 2, 3 CH/Enzymatic (Hexokinase)
urine	21. Glucose in urine	Siemens Atellica 3 CH/ Enzymatic (Hexokinase)
serum/plasma (heparin Li^+)	22. Potassium	Siemens Atellica 2, 3 CH/Indirect IMT
urine	23. Potassium in urine	Siemens Atellica 3 CH/Indirect IMT
serum/plasma (heparin Li^+)	24. Creatinine	Siemens Atellica 1, 2, 3 CH/Colorimetric (Jaffe)
urine	25. Creatinine in urine	Siemens Atellica 3 CH/Colorimetric (Jaffe)
serum + urine	26. Creatinine clearance	Calculation
serum	27. Albumin/Globulin Index	Calculation
serum	28. Lipase	Siemens Atellica 3 CH/Enzymatic-Colorimetric
serum/plasma (EDTA)	29. Lipids total	Calculation
serum/plasma (heparin Li^+)	30. Magnesium (Mg)	Siemens Atellica 2,3 CH/Colorimetric (Xylidyl blue)
urine	31. Magnesium (Mg) in urine	Siemens Atellica 3 CH/Colorimetric (Xylidyl blue)
urine	32. Microalbumin in urine	Siemens Atellica 3 CH/Immunoturbidimetry (PEG)
serum/plasma (heparin Li^+)	33. Sodium (Na)	Siemens Atellica 2, 3 CH/Indirect IMT
urine	34. Sodium (Na) in urine	Siemens Atellica 3 CH/Indirect IMT
serum/plasma (heparin Li^+)	35. Urea	Siemens Atellica 1, 2, 3 CH/Enzymatic (urease/ GLDH)
urine	36. Urea in urine	Siemens Atellica 3 CH/EνEnzymatic (urease/ GLDH)
serum+ urine	37. Urea clearance	Calculation
serum/plasma (heparin Li^+)	38. Uric acid	Siemens Atellica 1, 2, 3 CH/Enzymatic (uricase)
urine	39. Uric acid in urine	Siemens Atellica 3 CH/ Enzymatic (uricase)
serum/plasma (heparin Li^+)	40. Total protein	Siemens Atellica 3 CH/Photometric (Biuret)
urine	41. Total protein in urine	Siemens Atellica 2 CH/Dye binding
serum/plasma (heparin Li^+)	42. eGFR	Calculation (NKDEP)
serum	43. Ceruloplasmin	Thermo Konelab 60i /Turbidimetry end-point
serum/plasma (heparin Li^+)	44. Iron (Fe)	Siemens Atellica 2, 3 CH/Colorimetric (Ferrozine)
Serum/plasma (heparin Li^+/	45. Globulins total	Calculation

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
EDTA)		
serum	46. Transferrin	Siemens Atellica 3 CH/Immunoturbidimetry (PEG)
serum	47. Transferrin saturation	Calculation
serum/plasma (EDTA)	48. Triglycerides	Siemens Atellica 1, 2, 3 CH/Enzymatic (GPO Trinder)
serum	49. Fructosamine	Thermo Konelab 60i/Colorimetric-kinetic
serum/plasma (heparin Li^+)	50. Alkaline Phosphatase	Siemens Atellica 2, 3 CH/Photometric-AMP Buffer
serum	51. Phospholipids	Calculation
serum	52. Phosphorous inorganic (P)	Siemens Atellica 2, 3 CH/ Phosphomolybdate
serum	53. Phosphorous in urine	Siemens Atellica 3 CH/ Phosphomolybdate
serum	54. Chloride (Cl)	Siemens Atellica 2, 3 CH/ Indirect IMT
ούρα	55. Chloride (Cl) in urine	Siemens Atellica 3 CH/ Indirect IMT
serum/plasma (heparin Li^+)	56. Bilirubin direct	Siemens Atellica 2, 3 CH/Colorimetric-vanadate oxidation
serum/plasma (heparin Li^+)	57. Bilirubin indirect	Calculation
serum/plasma (heparin Li^+)	58. Bilirubin total	Siemens Atellica 2, 3 CH/ Colorimetric-vanadate oxidation
serum/plasma (heparin Li^+)	59. Cholesterol total	Siemens Atellica 1, 2, 3 CH/Enzymatic-colorimetric
serum/plasma (heparin Li^+)	60. Cholesterol HDL	Siemens Atellica 2, 3 CH/2-points Kinetic 2PA
serum	61. Cholesterol LDL	Siemens Atellica 3 CH/ end-point kinetic EPA
serum/plasma (heparin Li^+/ EDTA)	62. Cholesterol LDL	Calculation
serum/plasma (EDTA)	63. Cholesterol VLDL	Calculation
serum	64. Bile acids	Siemens Atellica 3 CH/Enzymatic
serum/plasma (heparin Li^+)	65. Cholinesterase	Siemens Atellica 3 CH/Enzymatic
serum	66. Osmolality	Calculation
	Determination of 14 parameters	**Siemens Atellica CH** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. ASTO	Siemens Atellica 3 CH/Immunoturbidimetry (latex)
serum	2. CRP wide range	Siemens Atellica 2,3 CH/ Immunoturbidimetry (latex-wide range)
serum	3. Lp(a)	Siemens Atellica 3 CH/ Immunoturbidimetry (latex)
serum	4. Rheumatoid factor (RF)	Siemens Atellica 3 CH/ Immunoturbidimetry (latex)
serum	5. A-1-Antitrypsin	Siemens Atellica 3 CH/ Sentinel/Immunoturbidimetry (latex)
serum	6. Immunoglobulin IgA	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum	7. Immunoglobulin IgG	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum	8. Immunoglobulin IgM	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum/plasma	9. Apolipoprotein A1	Siemens Atellica 3 CH/ Immunoturbidimetry

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
(heparin Li^+)		(PEG)
serum/plasma (heparin Li^+)	10. Apolipoprotein B	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum	11. Ratio ApoA1/ApoB	Calculation
serum	12. Haptoglobulin	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum	13. Complement C3	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum	14. Complement C4	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
	Determination of 3 parameters	**Siemens Atellica CH & Thermo Konelab 60i** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. G-6-PD	Siemens Atellica 2 CH/Enzymatic
serum/plasma (EDTA)	2. Homocystein	Thermo Konelab 60i/Enzymatic
plasma/citrate	3. D-dimers	Siemens Atellica 3 CH/Immunoturbidimetry (latex)
	Determination of 9 parameters	**Siemens Atellica CH, Thermo Konelab 60i & Siemens Immulite 2000** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Amikacin	Siemens Atellica 2 CH/Enzyme immunoassay (EMIT)
serum	2. Valproic acid (Depakene)	Siemens Atellica 3 CH/Enzyme immunoassay (EMIT)
serum	3. Vancomycin	Siemens Atellica 2 CH/ Enzyme immunoassay (EMIT)
serum	4. Gentamycin	Siemens Atellica 2 CH/ Enzyme immunoassay (EMIT)
serum	5. Digoxin (Lanoxin)	Siemens Atellica 3 CH/ Immunoturbidimetry (latex)
serum	6. Carbamazepin (Tegretol)	Siemens Atellica 3 CH/ Enzyme immunoassay (EMIT)
serum	7. Lithium (Li)	Thermo Konelab 60i/Direct potentiometry
serum/plasma (heparin Li^+)	8. Phenobarbital	Siemens Atellica 3 CH/ Enzyme immunoassay (EMIT)
serum	9. Phenytoin (Dilatin-Epanutin)	Siemens Atellica 3 CH/ Enzyme immunoassay (EMIT)
	Determination of 1 parameter	**Siemens Atellica CH** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
stool	1. Calprotectin	Siemens Atellica 3 CH/ Immunoturbidimetry (latex)
	Determination of 1 parameter	**Immunochromatography** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
stool	1. Fecal occult blood (FOB)	Immunochromatography DIALAB
	Determination of 9 parameters	**Siemens Atellica CH & Immunochromatography** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Ethanol	Siemens Atellica 2 CH/Enzymatic
urine	2. Amphetamines	Immunochromatography
urine	3. Barbiturates	Immunochromatography
urine	4. Benzodiazepines	Immunochromatography
urine	5. Ecstasis (MDMA)	Immunochromatography
urine	6. Cannabinoids	Immunochromatography

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
urine	7. Cocain	Immunochromatography
urine	8. Opiates	Immunochromatography
urine	9. Phencyclidine (PCP)	Immunochromatography
Electrophoresis & Immunofixation		
	Determination of 5 parameters	**HELENA V8 Capillary** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Albumin	Capillary Electrophoresis
serum	2. A1 globulins	Capillary Electrophoresis
serum	3. A2 globulins	Capillary Electrophoresis
serum	4. B globulins	Capillary Electrophoresis
serum	5. Γ globulins	Capillary Electrophoresis
	Determination of 1 parameter	**HELENA SAS-3 & SAS-4 agarose gel** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Protein immunofixation	agarose gel
Immunochemical tests		
	Determination of 15 parameters	**Siemens Atellica IM - Chemiluminescence (CLIA)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Ferritin	Siemens Atellica IM 1-1, 2-2, 3-1/ CLIA
serum	2. Vitamin B-12	Siemens Atellica IM 1-1, 2-2, 3-1/ CLIA
serum	3. Vitamin D [25-hydroxy]	Siemens Atellica IM 1-1, 2-2, 3-1/ CLIA
serum	4. Folate	Siemens Atellica IM 1-1, 2-2, 3-1/ CLIA
serum	5. T3	Siemens Atellica IM 1-1, 2-1, 3-1/ CLIA
serum	6. T3 free	Siemens Atellica IM 1-1, 2-1, 3-1/ CLIA
serum	7. T4	Siemens Atellica IM 1-1, 2-1, 3-1/ CLIA
serum	8. T4 free	Siemens Atellica IM 1-1, 2-1, 3-1/ CLIA
serum	9. anti-Tg	Siemens Atellica IM 1-1, 2-1, 3-1/ CLIA
serum	10. anti-TPO	Siemens Atellica IM 1-1, 2-1, 3-1/ CLIA
serum	11. TSH	Siemens Atellica IM 1-1, 2-1, 3-1/ CLIA
serum	12. Calcitonin	Siemens Atellica IM 3-1/ CLIA
serum/plasma (heparin Li^+/ Na^+/EDTA)	13. Parathormone intact (PTH intact)	Siemens Atellica IM 2-1, 3-1/ CLIA
serum	14. Cortisol	Siemens Atellica IM 3-1/ CLIA
urine	15. Cortisol in urine	Siemens Atellica IM 3-1/ CLIA
	Determination of 8 parameters	**Siemens Atellica IM - Chemiluminescence (CLIA)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. AFP	Siemens Atellica IM 3-2/ CLIA
serum	2. CA 15.3	Siemens Atellica IM 3-2/ CLIA
serum	3. CA 19.9	Siemens Atellica IM 3-2/ CLIA
serum	4. CA 125	Siemens Atellica IM 3-2/ CLIA
serum	5. CEA	Siemens Atellica IM 3-2/ CLIA
serum	6. PSA	Siemens Atellica IM 1-1, 2-1, 2-2, 3-1/ CLIA
serum	7. PSA free	Siemens Atellica IM 3-1/ CLIA
serum	8. Ratio free/total PSA	Calculation
	Determination of 11 parameters	**Siemens Atellica IM – Chemiluminescence**

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
		(CLIA) ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. DHEA-S	Siemens Atellica IM 3-2/ CLIA
serum	2. FSH	Siemens Atellica IM 3-2/ CLIA
serum	3. LH	Siemens Atellica IM 3-2/ CLIA
serum	4. SHBG	Siemens Atellica IM 3-2/ CLIA
serum	5. Androstendione	Siemens Atellica IM 3-1/ CLIA
serum	6. hCG	Siemens Atellica IM 2-2, 3-1/ CLIA
serum	7. Free Androgen Index (FAI)	Calculation
serum	8. Estradiol (E2)	Siemens Atellica IM 3-2/ CLIA
serum	9. Progesterone	Siemens Atellica IM 3-2/ CLIA
serum	10. Prolactin	Siemens Atellica IM 3-2/ CLIA
serum	11. Testosterone total	Siemens Atellica IM 3-2/ CLIA
	Determination of 2 parameters	**Siemens Atellica 3 IM 1 – Chemiluminescence (CLIA)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Immunoglobulin IgE	Siemens Atellica IM / CLIA
serum/plasma (heparin Li^+)	2. Troponin-I high sensitive	Siemens Atellica IM / CLIA
	Determination of 18 parameters	**Siemens Atellica IM – Chemiluminescence (CLIA)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. HAV antibodies total	Siemens Atellica IM 1/ CLIA
serum	2. HAV antibodies IgM	Siemens Atellica IM 1/ CLIA
serum	3. HBs Ag	Siemens Atellica IM 3-2/ CLIA
serum	4. HBs antibodies	Siemens Atellica IM 3-2/ CLIA
serum	5. HBc antibodies total	Siemens Atellica IM 3-2/ CLIA
serum	6. HBc antibodies IgM	Siemens Atellica IM 3-2/ CLIA
serum	7. HBe Ag	Siemens Atellica IM 3-2/ CLIA
serum	8. HBe antibodies	Siemens Atellica IM 3-2/ CLIA
serum	9. HCV antibodies	Siemens Atellica IM 3-2/ CLIA
serum	10. HIV Ag/Ab	Siemens Atellica IM 3-2/ CLIA
serum	11. Syphilis (Treponema IgG+IgM) Abs	Siemens Atellica IM 3-2/ CLIA
serum	12. Toxoplasma IgG	Siemens Atellica IM 3-2/ CLIA
serum	13. Toxoplasma IgM	Siemens Atellica IM 3-2/ CLIA
serum	14. Rubella IgG	Siemens Atellica IM 3-2/ CLIA
serum	15. Rubella IgM	Siemens Atellica IM 3-2/ CLIA
serum	16. CMV IgG	Siemens Atellica IM 2-1/ CLIA
serum	17. CMV IgM	Siemens Atellica IM 3-2/ CLIA
serum	18. CCP autoantibodies	Siemens Atellica IM 1/ CLIA
	Determination of 1 parameter	**Beckman Coulter Access2** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Anti-Mullerian hormone (AMH)	Chemiluminescence (CLIA)
	Determination of 4 parameters	**Brahms Kryptor Compact Plus** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. TSH receptor AAB (TRAK)	TRACE
serum	2. Pregnancy-associated plasma protein A (PAPP-A)	TRACE
serum	3. free b-hCG	TRACE
serum	4. Chromogranin A (CgA)	TRACE
	Determination of 3 parameters	**SsdwLab software** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
serum	1. Risk Trisomy 21 (Down) - A′ trimester	SsdwLab software
serum	2. Risk Trisomy 21 (Down) - B′ trimester	SsdwLab software
serum	3. Risk:NTD	SsdwLab software
	Determination of 9 parameters	**Roche Cobas e411** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Thyroglobulin (Tg)	Electrochemiluminescence (ECLIA)
serum	2. NSE	Electrochemiluminescence (ECLIA)
serum	3. CA 72.4	Electrochemiluminescence (ECLIA)
serum	4. Insulin	Electrochemiluminescence (ECLIA)
serum	5. C peptide	Electrochemiluminescence (ECLIA)
serum	6. HOMA-IR	Calculation
serum/plasma (EDTA)	7. Troponin-T	Electrochemiluminescence (ECLIA)
serum/plasma (EDTA)	8. HIV I+II antibodies	Electrochemiluminescence (ECLIA)
serum/plasma (EDTA)	9. HCV antibodies	Electrochemiluminescence (ECLIA)
	Determination of 5 parameters	**Diasorin Liaison 1** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Aldosterone	Chemiluminescence (CLIA)
urine	2. Aldosterone in urine	Chemiluminescence (CLIA)
plasma/EDTA	3. Renin direct	Chemiluminescence (CLIA)
serum	4. Somatomedin C (IGF-1)	Chemiluminescence (CLIA)
serum	5. Growth hormone	Chemiluminescence (CLIA)
	Determination of 3 parameters	**Diasorin Liaison 1** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	4. HSV-1 IgG	Chemiluminescence (CLIA)
serum/plasma (EDTA)	5. HSV-2 IgG	Chemiluminescence (CLIA)
serum/plasma (EDTA)	6. HSV-1/2 IgM	Chemiluminescence (CLIA)
	Determination of 5 parameters	**Diasorin Liaison 2** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Borrelia IgG	Chemiluminescence (CLIA)
serum	2. Borrelia IgM	Chemiluminescence (CLIA)
serum	3. VZV IgG	Chemiluminescence (CLIA)
serum	4. VZV IgM	Chemiluminescence (CLIA)
serum	5. AAbs tTG autoantibodies IgA	Chemiluminescence (CLIA)
	Determination of 5 parameters	**Siemens Immulite 2000 2** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. EBV IgG	Chemiluminescence (CLIA)
serum	2. EBV IgM	Chemiluminescence (CLIA)
serum	3. Helicobacter pylori IgG	Chemiluminescence (CLIA)
serum	4. Theophylline	Chemiluminescence (CLIA)
serum	5. EPO	Chemiluminescence (CLIA)
	Determination of 6 parameters	**Siemens Immulite 2000** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. B-2 microglobulin	Immulite 2000 2/ Chemiluminescence (CLIA)
urine	2. B-2 microglobulin in urine	Immulite 2000 2/ Chemiluminescence (CLIA)
serum	3. Estriol (E3)	Immulite 2000 1/ Chemiluminescence (CLIA)
serum/plasma (heparin)	4. Osteocalcin	Immulite 2000 2/ Chemiluminescence (CLIA)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
plasma/EDTA	5. ACTH	Immulite 2000 2/ Chemiluminescence (CLIA)
serum	6. Gastrin	Immulite 2000 2/ Chemiluminescence (CLIA)
	Determination of 184 allergens	**Siemens Immulite 2000 1** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. A.C1 - Penicillin G	Chemiluminescence (CLIA)
serum	2. A.C2 - Penicillin V	Chemiluminescence (CLIA)
serum	3. A.C203 - Ampicillin	Chemiluminescence (CLIA)
serum	4. A.C204 - Amoxicilin	Chemiluminescence (CLIA)
serum	5. A.D1-Dermatophag.Pteronyssinus	Chemiluminescence (CLIA)
serum	6. A.D2 - Dermatophag.Farinae	Chemiluminescence (CLIA)
serum	7. A.D3 – Dermatophag.microceras	Chemiluminescence (CLIA)
serum	8. A.D70 - Acarus Siro	Chemiluminescence (CLIA)
serum	9. A.D71 - Lepidoglyphus destructor	Chemiluminescence (CLIA)
serum	10. A.D73 - Glucophagus domesticus	Chemiluminescence (CLIA)
serum	11. A.D74 - Porcine Gelatin	Chemiluminescence (CLIA)
serum	12. A.E1 - cat epithelium	Chemiluminescence (CLIA)
serum	13. A.E2 - dog epithelium	Chemiluminescence (CLIA)
serum	14. A.E3 - horse epithelium	Chemiluminescence (CLIA)
serum	15. A.E5 - Dog Dander	Chemiluminescence (CLIA)
serum	16. A.E6 - Guinea pig epithelium	Chemiluminescence (CLIA)
serum	17. A.E7 - Pigeon droppings	Chemiluminescence (CLIA)
serum	18. A.E70 - Goose feathers	Chemiluminescence (CLIA)
serum	19. A.E71 - mouse epithelium	Chemiluminescence (CLIA)
serum	20. A.E81 - Sheep epithelium	Chemiluminescence (CLIA)
serum	21. A.E82 - Rabbit epithelium	Chemiluminescence (CLIA)
serum	22. A.E85 - Chicken feathers	Chemiluminescence (CLIA)
serum	23. A.E86 - Duck feathers	Chemiluminescence (CLIA)
serum	24. A.F1 - Egg white	Chemiluminescence (CLIA)
serum	25. A.F2 - Milk	Chemiluminescence (CLIA)
serum	26. A.F3 - Codfish	Chemiluminescence (CLIA)
serum	27. A.F4 - Wheat	Chemiluminescence (CLIA)
serum	28. A.F5 - Rye	Chemiluminescence (CLIA)
serum	29. A.F6 - Barley	Chemiluminescence (CLIA)
serum	30. A.F7 - Oat	Chemiluminescence (CLIA)
serum	31. A.F8 - Corn	Chemiluminescence (CLIA)
serum	32. A.F9 - Rice	Chemiluminescence (CLIA)
serum	33. A.F10 - Sesame seed	Chemiluminescence (CLIA)
serum	34. A.F11 - Buckweat	Chemiluminescence (CLIA)
serum	35. A.F12 - Green Pea	Chemiluminescence (CLIA)
serum	36. A.F13 - Peanut	Chemiluminescence (CLIA)
serum	37. A.F14 - Soybean	Chemiluminescence (CLIA)
serum	38. A.F15 - White bean	Chemiluminescence (CLIA)
serum	39. A.F17 - Hazelnut	Chemiluminescence (CLIA)
serum	40. A.F18 - Brazil nut	Chemiluminescence (CLIA)
serum	41. A.F20 - Almond	Chemiluminescence (CLIA)
serum	42. A.F23 - Crab	Chemiluminescence (CLIA)
serum	43. A.F24 - Shrimp	Chemiluminescence (CLIA)
serum	44. A.F25 - Tomato	Chemiluminescence (CLIA)
serum	45. A.F26 - Pork	Chemiluminescence (CLIA)
serum	46. A.F27 - Beef	Chemiluminescence (CLIA)
serum	47. A.F31 - Carrot	Chemiluminescence (CLIA)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
serum	48.A.F33 - Orange	Chemiluminescence (CLIA)
serum	49.A.F35 - Potato	Chemiluminescence (CLIA)
serum	50.A.F36 - Coconut	Chemiluminescence (CLIA)
serum	51.A.F37 - Blue Mussel	Chemiluminescence (CLIA)
serum	52.A.F40 - Tuna	Chemiluminescence (CLIA)
serum	53.A.F41 - Salmon	Chemiluminescence (CLIA)
serum	54.A.F44 - Strawberry	Chemiluminescence (CLIA)
serum	55.A.F45 - Yeast	Chemiluminescence (CLIA)
serum	56.A.F47 - Garlic	Chemiluminescence (CLIA)
serum	57.A.F48 - Onion	Chemiluminescence (CLIA)
serum	58.A.F49 - Apple	Chemiluminescence (CLIA)
serum	59.A.F59 - Octopus	Chemiluminescence (CLIA)
serum	60.A.F61 - Sardine	Chemiluminescence (CLIA)
serum	61.A.F75 - Egg yolk	Chemiluminescence (CLIA)
serum	62.A.F76 - Alpha lactalbumin	Chemiluminescence (CLIA)
serum	63.A.F77 - Beta lactoglobulin	Chemiluminescence (CLIA)
serum	64.A.F78 - Casein	Chemiluminescence (CLIA)
serum	65.A.F79 - Gluten	Chemiluminescence (CLIA)
serum	66.A.F80 - Lobster	Chemiluminescence (CLIA)
serum	67.A.F81 - Cheddar cheese	Chemiluminescence (CLIA)
serum	68.A.F82 - Cheese, Mold	Chemiluminescence (CLIA)
serum	69.A.F83 - Chicken	Chemiluminescence (CLIA)
serum	70.A.F84 - Kiwi fruit	Chemiluminescence (CLIA)
serum	71.A.F85 - Celery	Chemiluminescence (CLIA)
serum	72.A.F87 - Melon	Chemiluminescence (CLIA)
serum	73.A.F88 - Lamb	Chemiluminescence (CLIA)
serum	74.A.F89 - Mustard	Chemiluminescence (CLIA)
serum	75.A.F91 - Mango	Chemiluminescence (CLIA)
serum	76.A.F92 - Banana	Chemiluminescence (CLIA)
serum	77.A.F93 - Cocoa	Chemiluminescence (CLIA)
serum	78.A.F94 - Pear	Chemiluminescence (CLIA)
serum	79.A.F95 - Peach	Chemiluminescence (CLIA)
serum	80.A.F105 - Chocolate	Chemiluminescence (CLIA)
serum	81.A.F201 - Pecan Nut	Chemiluminescence (CLIA)
serum	82.A.F202 - Cashew	Chemiluminescence (CLIA)
serum	83.A.F203 - Pistachio	Chemiluminescence (CLIA)
serum	84.A.F208 - Lemon	Chemiluminescence (CLIA)
serum	85.A.F212 - Mushroom	Chemiluminescence (CLIA)
serum	86.A.F213 - Rabbit	Chemiluminescence (CLIA)
serum	87.A.F214 - Spinach	Chemiluminescence (CLIA)
serum	88.A.F215 - Lettuce	Chemiluminescence (CLIA)
serum	89.A.F216 - Cabbage	Chemiluminescence (CLIA)
serum	90.A.F221 - Coffee	Chemiluminescence (CLIA)
serum	91.A.F232 - Ovalbumin	Chemiluminescence (CLIA)
serum	92.A.F233 - Ovomucoid	Chemiluminescence (CLIA)
serum	93.A.F235 - Lentil	Chemiluminescence (CLIA)
serum	94.A.F237 - Apricot	Chemiluminescence (CLIA)
serum	95.A.F242 - Cherry	Chemiluminescence (CLIA)
serum	96.A.F245 - Egg	Chemiluminescence (CLIA)
serum	97.A.F247 - Honey	Chemiluminescence (CLIA)
serum	98.A.F256 - Walnut	Chemiluminescence (CLIA)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
serum	99.A.F258 - Squid	Chemiluminescence (CLIA)
serum	100. A.F259 - Grape	Chemiluminescence (CLIA)
serum	101. A.F262 - Eggplant	Chemiluminescence (CLIA)
serum	102. A.F280 - Black Pepper	Chemiluminescence (CLIA)
serum	103. A.F291 - Cauliflower	Chemiluminescence (CLIA)
serum	104. A.F299 - Chestnut	Chemiluminescence (CLIA)
serum	105. A.F300 - Pinto bean	Chemiluminescence (CLIA)
serum	106. A.F337 - Sole fish	Chemiluminescence (CLIA)
serum	107. A.F343 - Raspberry	Chemiluminescence (CLIA)
serum	108. A.G1 - Sweet vernal grass	Chemiluminescence (CLIA)
serum	109. A.G2 - Bermuda grass	Chemiluminescence (CLIA)
serum	110. A.G3 - Orchard grass	Chemiluminescence (CLIA)
serum	111. A.G4 - Meadow fescue	Chemiluminescence (CLIA)
serum	112. A.G5 - Perennial rye grass	Chemiluminescence (CLIA)
serum	113. A.G6 - Timothy grass	Chemiluminescence (CLIA)
serum	114. A.G7 - Common reed grass	Chemiluminescence (CLIA)
serum	115. A.G8 - June grass	Chemiluminescence (CLIA)
serum	116. A.G9 - Red Top grass	Chemiluminescence (CLIA)
serum	117. A.G10 - Johson grass	Chemiluminescence (CLIA)
serum	118. A.G11 - Brome grass	Chemiluminescence (CLIA)
serum	119. A.G12 - Cultivated rye grass	Chemiluminescence (CLIA)
serum	120. A.G13 - Velvet grass	Chemiluminescence (CLIA)
serum	121. A.G14 - Cultivated Oat grass	Chemiluminescence (CLIA)
serum	122. A.G15 - Cultivated Wheat grass	Chemiluminescence (CLIA)
serum	123. A.G17 - Bahia grass	Chemiluminescence (CLIA)
serum	124. A.H1 - house dust Greer	Chemiluminescence (CLIA)
serum	125. A.H2 - house dust Hollister stier	Chemiluminescence (CLIA)
serum	126. A.H6 - House Dust Japan	Chemiluminescence (CLIA)
serum	127. A.I1 - Honey bee	Chemiluminescence (CLIA)
serum	128. A.I2 - White hornet	Chemiluminescence (CLIA)
serum	129. A.I3 - Yellow jacket	Chemiluminescence (CLIA)
serum	130. A.I4 - Wasp	Chemiluminescence (CLIA)
serum	131. A.I5 - Yellow hornet	Chemiluminescence (CLIA)
serum	132. A.I6 - Cockroach	Chemiluminescence (CLIA)
serum	133. A.I70 - Ant	Chemiluminescence (CLIA)
serum	134. A.I71 - Mosquito	Chemiluminescence (CLIA)
serum	135. A.I75 - European hornet	Chemiluminescence (CLIA)
serum	136. A.K80 - Formaldehyde/Formalin	Chemiluminescence (CLIA)
serum	137. A.K82 - Latex	Chemiluminescence (CLIA)
serum	138. A.K84 – Sunflower seed	Chemiluminescence (CLIA)
serum	139. A.M1 - Penicillium Notatum	Chemiluminescence (CLIA)
serum	140. A.M2 - Cladosporium Herbarum	Chemiluminescence (CLIA)
serum	141. A.M3 - Aspergillus Fumigatus	Chemiluminescence (CLIA)
serum	142. A.M4 - Mucor Racemosus	Chemiluminescence (CLIA)
serum	143. A.M5 - Candida Albicans	Chemiluminescence (CLIA)
serum	144. A.M6 - Alternaria Tenuis	Chemiluminescence (CLIA)
serum	145. A.M7 - Botrytis Cinerea	Chemiluminescence (CLIA)
serum	146. A.M8 - Helminthosporium Halodes	Chemiluminescence (CLIA)
serum	147. A.M9 - Fusarium Moniliforme	Chemiluminescence (CLIA)
serum	148. A.M11 - Rhizopus Nigricans	Chemiluminescence (CLIA)
serum	149. A.P1 - Ascaris	Chemiluminescence (CLIA)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
serum	150. A.P4 - Anisakis Larvae	Chemiluminescence (CLIA)
serum	151. A.T1 - Maple	Chemiluminescence (CLIA)
serum	152. A.T2 - Alder	Chemiluminescence (CLIA)
serum	153. A.T3 - Birch	Chemiluminescence (CLIA)
serum	154. A.T4 - Hazelnut	Chemiluminescence (CLIA)
serum	155. A.T5 - Beech	Chemiluminescence (CLIA)
serum	156. A.T6 - Mountain Cedar	Chemiluminescence (CLIA)
serum	157. A.T7 - Oak	Chemiluminescence (CLIA)
serum	158. A.T8 - Elm	Chemiluminescence (CLIA)
serum	159. A.T9 - Olive	Chemiluminescence (CLIA)
serum	160. A.T10 - Walnut	Chemiluminescence (CLIA)
serum	161. A.T11 - Sycamore	Chemiluminescence (CLIA)
serum	162. A.T12 - Willow	Chemiluminescence (CLIA)
serum	163. A.T14 - Cottonwood	Chemiluminescence (CLIA)
serum	164. A.T16 - White Pine	Chemiluminescence (CLIA)
serum	165. A.T17 - Cedar	Chemiluminescence (CLIA)
serum	166. A.T18 - Eucalyptus	Chemiluminescence (CLIA)
serum	167. A.T19 - Acacia	Chemiluminescence (CLIA)
serum	168. A.T23 - Italian Cypress	Chemiluminescence (CLIA)
serum	169. A.T70 - White Mulberry	Chemiluminescence (CLIA)
serum	170. A.T73 - Australian Pine	Chemiluminescence (CLIA)
serum	171. A.W1 - Artemisifolia	Chemiluminescence (CLIA)
serum	172. A.W2 - Western Ragweed	Chemiluminescence (CLIA)
serum	173. A.W3 - Giant Ragweed	Chemiluminescence (CLIA)
serum	174. A.W5 - Wormwood	Chemiluminescence (CLIA)
serum	175. A.W6 - Mugwort	Chemiluminescence (CLIA)
serum	176. A.W7 - Ox-Eye Daisy	Chemiluminescence (CLIA)
serum	177. A.W8 - Dandelion	Chemiluminescence (CLIA)
serum	178. A. W9 - English Plantain	Chemiluminescence (CLIA)
serum	179. A.W10 - Lambs Quarter	Chemiluminescence (CLIA)
serum	180. A.W11 - Russian Thistle	Chemiluminescence (CLIA)
serum	181. A.W18 - Sheep Shorrel	Chemiluminescence (CLIA)
serum	182. A.W19 - Parietaria Officinalis	Chemiluminescence (CLIA)
serum	183. A.W20 - Nettle	Chemiluminescence (CLIA)
serum	184. A.W21 - Parietaria judaica	Chemiluminescence (CLIA)
Haematological tests		
	Determination of 8 parameters	**Microscopy** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
WB/EDTA	1. Reticulocyte analysis	Methylene blue stain
WB/EDTA	2. RBC morphology	Giemsa stain
WB/EDTA	3. PLT count	Giemsa stain
WB/EDTA	4. LY (%)	Giemsa stain
WB/EDTA	5. MO%	Giemsa stain
WB/EDTA	6. GR/NE%	Giemsa stain
WB/EDTA	7. EO%	Giemsa stain
WB/EDTA	8. BA%	Giemsa stain
	Determination of 22 parameters	**Beckman Coulter DxH600** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
WB/EDTA	1. HGB	Photometric
WB/EDTA	2. HCT	Automatic calculation from RBC and MCV

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
WB/EDTA	3. WBC	Coulter principle
WB/EDTA	4. LY	Calculation from WBC and LY%
WB/EDTA	5. MO	Calculation f rom WBC and MO%
WB/EDTA	6. GR/NE	Calculation from WBC and GR/NE%
WB/EDTA	7. EO	Calculation from WBC and EO%
WB/EDTA	8. BA	Calculation from WBC and BA%
WB/EDTA	9. LY%	Volume, conductivity & light scatter analysis
WB/EDTA	10.MO%	Volume, conductivity & light scatter analysis
WB/EDTA	11.GR/NE%	Volume, conductivity & light scatter analysis
WB/EDTA	12.EO%	Volume, conductivity & light scatter analysis
WB/EDTA	13.BA%	Volume, conductivity & light scatter analysis
WB/EDTA	14.RBC	Coulter principle
WB/EDTA	15.MCV	Coulter principle
WB/EDTA	16.MCH	Automatic calculation from HGB and RBC
WB/EDTA	17.MCHC	Automatic calculation from HGB and HCT
WB/EDTA	18.RDW	Coulter principle
WB/EDTA	19.PLT	Coulter principle
WB/EDTA	20.PCT	Calculation from PLT and MPV
WB/EDTA	21.MPV	Coulter principle
WB/EDTA	22.PDW	Coulter principle
	Determination of 4 parameters	**Otrho BioVue & Hemagglutination - Agglutination** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. ABO blood typing	Hemagglutination (slide & tube)
wh.blood/EDTA	2. Rhesus factor	Hemagglutination (slide)
wh.blood/EDTA	3. Direct Coombs	Column agglutination
serum	4. Indirect Coombs	Column agglutination
	Determination of 9 coagulant factors	**Siemens BCS XP** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
plasma/citrate	1. Fibrinogen (activity)	Photometric
plasma/citrate	2. APTT	Clot detection
plasma/citrate	3. PT - INR	Clot detection
plasma/citrate	4. PT - Sec	Clot detection
plasma/citrate	5. PT - %	Clot detection
plasma/citrate	6. Lupus Anticoagulant (LAC)	Clot detection
plasma/citrate	7. Protein C	Chromogenic
plasma/citrate	8. Protein S	Immunoturbidimetry
plasma/citrate	9. Antithrombin III (activity %)	Photometric
RIA – EIA – IF		
	Determination of 1 parameter	**Stratec SR300 (RIA)** ΤΠ602-02-25/07/22, ΚΤΑ/30/01.11.2021
serum	1. 17-OH-Progesterone	~~Stratec SR300 & Counter PC.RIA MAS/~~ RIA
	Determination of 6 parameters	**DYNEX DSX (EIA)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Quantiferon TB-Gold® Plus	Dynex DSX 1/ELISA
serum	2. Inhibin-B	Dynex DSX 2/ELISA
serum	3. Leptin	Dynex DSX 2/ELISA

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
serum	4. ANA autoantibodies	Dynex DSX 3
serum	5. AAbs DNAds	Dynex DSX 3
serum	6. AAbs ENA	Dynex DSX 3
	Determination of 45 parameters	**DYNEX DSX (EIA), Agglutination, Hemagglutination (IHA) & IFA** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. HDV antibodies total	Dynex DSX 2/ELISA
serum	2. HEV antibodies IgG	Dynex DSX 2/ELISA
serum	3. Monotest	Calculation (CLIA)
serum	4. Adenovirus IgG	Dynex DSX 1/ELISA
serum	5. Adenovirus IgM	Dynex DSX 1/ELISA
serum	6. Amoebiasis	Dynex DSX 2/ELISA
serum	7. Aspergillus IgG	Dynex DSX 1/ELISA
serum	8. Aspergillus IgM	Dynex DSX 1/ELISA
serum	9. Brucella IgG	Dynex DSX 1/ELISA
serum	10. Brucella IgM	Dynex DSX 1/ELISA
serum	11. Yersinia IgG	Dynex DSX 1/ELISA
serum	12. Yersinia IgM	Dynex DSX 1/ELISA
serum	13. Influenza-A IgG	Dynex DSX 2/ELISA
serum	14. Influenza-A IgM	Dynex DSX 2/ELISA
serum	15. Influenza-B IgG	Dynex DSX 2/ELISA
serum	16. Influenza-B IgM	Dynex DSX 2/ELISA
serum	17. Echovirus IgG	Dynex DSX 2/ELISA
serum	18. Echovirus IgM	Dynex DSX 2/ELISA
serum	19. Helicobacter pylori IgA	Dynex DSX 1/ELISA
serum	20. Enterovirus IgG	Dynex DSX 2/ELISA
serum	21. Enterovirus IgM	Dynex DSX 2/ELISA
serum	22. Echinococcus	Dynex DSX 1/ELISA
serum	23. Measles IgG	Dynex DSX 1/ELISA
serum	24. Measles IgM	Dynex DSX 1/ELISA
serum	25. Candida IgG	Dynex DSX 2/ELISA
serum	26. Candida IgM	Dynex DSX 2/ELISA
serum	27. Coxsackie IgG	Dynex DSX 2/ELISA
serum	28. Coxsackie IgM	Dynex DSX 2/ELISA
serum	29. Coxiella burnetii phase-I IgG	Immunofluorescence (IFA)
serum	30. Coxiella burnetii phase-I IgM	Immunofluorescence (IFA)
serum	31. Coxiella burnetii phase-II IgG	Immunofluorescence (IFA)
serum	32. Coxiella burnetii phase-II IgM	Immunofluorescence (IFA)
serum	33. Legionella IgG	Dynex DSX 1/ELISA
serum	34. Leptospira IgG	Dynex DSX 2/ELISA
serum	35. Leptospira IgM	Dynex DSX 2/ELISA
serum	36. Bordetella pertussis IgG	Dynex DSX 1/ELISA
serum	37. Bordetella pertussis IgM	Dynex DSX 1/ELISA
serum	38. Mycoplasma pneumonia IgG	Dynex DSX 1/ELISA
serum	39. Mycoplasma pneumonia IgM	Dynex DSX 1/ELISA
serum	40. Parvovirus IgG	Dynex DSX 1/ELISA
serum	41. Parvovirus IgM	Dynex DSX 1/ELISA
serum	42. Mumps IgG	Dynex DSX 1/ELISA
serum	43. Mumps IgM	Dynex DSX 1/ELISA
serum	44. Tetanus IgG	Dynex DSX 2/ELISA

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
serum	45. Chlamydia trachomatis IgG	Dynex DSX 1/ELISA
	Determination of 11 parameters	**Flocculation assays/ Hemagglutination assays** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Wright	Cypress Bacterial Antigens /Brucella sp.
serum	2. Widal-TH	Cypress Bacterial Antigens /Salmonella H (Typhi H)
serum	3. Widal-BH	Cypress Bacterial Antigens /Salmonella H (Paratyphi B-H)
serum	4. Widal-TO	Cypress Bacterial Antigens /Salmonella O (Typhi O)
serum	5. Widal-BO	Cypress Bacterial Antigens /Salmonella O (Paratyphi B-O)
serum	6. Widal-AO	Cypress Bacterial Antigens /Salmonella O (Paratyphi A-O)
serum	7. Widal-AH	Cypress Bacterial Antigens /Salmonella H (Paratyphi A-H)
serum	8. Widal-CO	Cypress Bacterial Antigens /Salmonella O (Paratyphi C-O)
serum	9. Widal-CH	Cypress Bacterial Antigens /Salmonella H (Paratyphi C-H)
serum	10. TPHA	DIALAB TPHA
serum	11. RPR	FAR Diagnostics
	Determination of 12 parameters	**Menarini ZenitUP (IFA), DYNEX DSX 2 (EIA) & Immunoblot Testline** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. AMA autoantibodies - IFA	Immunofluorescence (IFA)
serum	2. ANA autoantibodies - IFA titre	Immunofluorescence (IFA)
serum	3. ANA autoantibodies - IFA pattern	Immunofluorescence (IFA)
serum	4. AAbs CENP (Centromere)	Immunofluorescence (IFA)
serum	5. AAbs Histones	Immunoblotting
serum	6. AAbs Jo	ELISA (EIA)
serum	7. AAbs RNP	ELISA (EIA)
serum	8. AAbs Scl-70	ELISA (EIA)
serum	9. AAbs SM	ELISA (EIA)
serum	10. AAbs SSA (Ro)	ELISA (EIA)
serum	11. AAbs SSB (La)	ELISA (EIA)
serum	12. AAbs Pm/ Scl	Immunoblotting
	Determination of 3 parameters	**Menarini ZenitUP (IFA) & DYNEX DSX 2(EIA)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. AAbs ANCA-C IFA	Immunofluorescence (IFA)
serum	2. AAbs ANCA-P IFA	Immunofluorescence (IFA)
serum	3. AAbs ANCA	ELISA (EIA)
	Determination of 6 parameters	**DYNEX DSX 2 (EIA)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. AAbs Cardiolipin IgG	ELISA (EIA)
serum	2. AAbs Cardiolipin IgM	ELISA (EIA)
serum	3. AAbs B2 Glycoprotein IgG	ELISA (EIA)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
serum	4. AAbs B2 Glycoprotein IgM	ELISA (EIA)
serum	5. AAbs Phospholipid IgG	ELISA (EIA-Calculation)
serum	6. AAbs Phospholipid IgM	ELISA (EIA-Calculation)
	Determination of 5 parameters	**Menarini ZenitUP (IFA) & DYNEX DSX 1 (EIA)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. AAbs Gliadin IgA	ELISA (EIA)
serum	2. AAbs Gliadin IgG	ELISA (EIA)
serum	3. AAbs tTG autoantibodies IgG	ELISA (EIA)
serum	4. AAbs Endomysium IgA	Immunofluorescence (IFA)
serum	5. AAbs Endomysium IgG	Immunofluorescence (IFA)
	Determination of 3 parameters	**Menarini ZenitUP (IFA) & DYNEX DSX 2 (EIA)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. AAbs GAD	ELISA (EIA)
serum	2. AAbs Insulin (IAA)	ELISA (EIA)
serum	3. AAbs ICA	Immunofluorescence (IFA)
	Determination of 8 parameters	**Menarini ZenitUP (IFA), DYNEX DSX 2 (EIA), STRATEC RIA SR300 & COUNTER PC.RIA MAS (RIA)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. AAbs APCA	ELISA (EIA)
serum	2. AAbs IF (Intrinsic factor)	ELISA (EIA)
serum	3. AAbs ASMA/FA	Immunofluorescence (IFA)
serum	4. AAbs LKM	Immunofluorescence (IFA)
serum	5. AAbs MuSK	Immunofluorescence (IFA)
serum	6. AAbs GBM	ELISA (EIA)
serum	7. AAbs ADR Cortex	Immunofluorescence (IFA)
serum	8. AAbs AchR	RIA
Microbiological tests		
	Determination of 7 parameters	**Urinanalysis - Macroscopic and Microscopic** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
urine	1. Urinalysis: White blood cells	Microscopic analysis of urine sediment
urine	2. Urinalysis: Erythrocytes	Microscopic analysis of urine sediment
urine	3. Urinalysis: Epithelial cells	Microscopic analysis of urine sediment
urine	4. Urinalysis: Mucus	Microscopic analysis of urine sediment
urine	5. Urinalysis: Crystals	Microscopic analysis of urine sediment
urine	6. Urinalysis: Cylinders	Microscopic analysis of urine sediment
urine	7. Urinalysis: Amorphous salts	Microscopic analysis of urine sediment
urine	8. Urinalysis: Microorganisms	Microscopic analysis of urine sediment
	Determination of 9 parameters	**Urinalysis - SediMAX** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
urine	1. Urinalysis: Mucus	SediMAX*
urine	2. Urinalysis: Red blood cells	SediMAX*
urine	3. Urinalysis: Crystals	SediMAX*
urine	4. Urinalysis: Pathological casts	SediMAX*
urine	5. Urinalysis: Non-Squamous epithelial cells	SediMAX*
urine	6. Urinalysis: Bacteria	SediMAX*

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
urine	7. Urinalysis: Yeasts	SediMAX*
urine	8. Urinalysis: Squamous epithelial cells	SediMAX*
urine	9. Urinalysis: White blood cells	SediMAX*
	Determination of 12 parameters	**Urinalysis - AutionMax-4280** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
urine	1. Urinalysis: pH	AutionMax-4280*
urine	2. Urinalysis: Hemoglobin	AutionMax-4280*
urine	3. Urinalysis: Glucose	AutionMax-4280*
urine	4. Urinalysis: Specific gravity	AutionMax-4280*
urine	5. Urinalysis: Turbidity	AutionMax-4280*
urine	6. Urinalysis: RBC	AutionMax-4280*
urine	7. Urinalysis: Nitrates	AutionMax-4280*
urine	8. Urinalysis: Protein total	AutionMax-4280*
urine	9. Urinalysis: Ketones	AutionMax-4280*
urine	10. Urinalysis: Urobilinogen	AutionMax-4280*
urine	11. Urinalysis: Color tone	AutionMax-4280*
urine	12. Urinalysis: Bilirubin	AutionMax-4280*
	Determination of 26 parameters	**CULTURES** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
urine	1. Culture: Urine	Culture
stool	2. Culture: Stool	Culture
stool	3. Culture: *Campylobacter* spp	Culture
vaginal	4. Culture: Vaginal	Culture
urethral	5. Culture: Urethral	Culture
prostatic	6. Culture: Prostatic	Culture
semen	7. Culture: Semen	Culture
nasal	8. Culture: upper respiratory	Culture
pharyngeal	9. Culture: upper respiratory	Culture
sputum	10. Culture: lower respiratory	Culture
BAL/Lavage	11. Culture: lower respiratory tract	Culture
skin (scrap)	12. Culture: skin	Culture
pus	13. Culture: Pus/Trauma/Burn	Culture
trauma	14. Culture: Pus/Trauma/Burn	Culture
burn	15. Culture: Pus/Trauma/Burn	Culture
eye	16. Culture: Eye	Culture
ear	17. Culture: Ear	Culture
tissue,fluids	18. Culrure: Sterile biological material	Culture
Material(implant)	19. Culture: Sterile materials (implants)	Culture
tissue,fluids	20. Culture: Anaerobic	Culture
tissue,fluids	21. Cutlure: yeast/ fungi	Culture
urine,sputum	22. Culture: Acid-fast bacilli	Culture
tissue,fluids	23. Culture: *Listeria* spp	Culture
skin,nails,hair	24. Culture: *Candida* spp	Culture
urogenital, optical	25. Culture: *Neisseria gonorrhoeae*	Culture
Urogenital, perineum	26. Culture: *S. agalactiae*	Culture
	Determination of 4 parameters	**Microscopic observation** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
biological	1. Microscopy: Gram stain	Gram stain

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
vaginal	2. Direct wet mount slide preparation	Microscopy
urine, sputum	3. Microscopy: Acid-fast bacilli	Ziehl-Nielsen stain
whole blood	4. Malaria Microscopy	Giemsa stain
	Determination of 7 parameters	**Beckman Coulter Microscan autoSCAN-4 & agglutination assays** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
isolate	1. Identification: Gram(-)	Panels
isolate	2. Identification: Gram(+)	Panels
isolate	3. Identification: Streptococcus	Latex agglutination
isolate	4. Identification: Staphylococcus spp	Latex agglutination& Panels
isolate	5. Identification: Enterococcus spp	Panels
isolate	6. Identification: Yeasts	Panels
isolate	7. Identification: Anaerobic	Panels
	Determination of 2 parameters	**Beckman Coulter Microscan autoSCAN-4** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
isolate	1. Antibiotic sensitivity testing: Gram(-)	Panels
isolate	2. Antibiotic sensitivity testing: Gram(+)	Panels
Molecular Genetics tests		
	Determination of 6 parameters	**Analyzers RealTime PCR Applied Biosystems QuantStudio-5 Thermo Scientific A&B** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
WB/EDTA	1. Mutation Factor V (Leiden) G1691A	In house qPCR
WB/EDTA	2. Mutation Prothrombin-(Factor II) G20210A	In house qPCR
WB/EDTA	3. Mutation MTHFR 1298C	In house qPCR
WB/EDTA	4. Mutation MTHFR C677T	In house qPCR
WB/EDTA	5. Mutation PAI-I 4G/5G	In house qPCR
WB/EDTA	6. HLA-B27 detection	In house qPCR
	Determination of 7 parameters	**Analyzers RealTime PCR Applied Biosystems QuantStudio-5 Thermo Scientific D& E** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
WB/EDTA	1. Mutation FXIII	In house qPCR
WB/EDTA	2. Mutation GPIIIa	In house qPCR
WB/EDTA	3. Mutation Fibrinogen	In house qPCR
WB/EDTA	4. Mutation ApoE	In house qPCR
WB/EDTA	5. Mutation ACE	In house qPCR
WB/EDTA	6. Mutation GPIa (HPA5)	In house qPCR
WB/EDTA	7. Mutation Factor V II 10976G>A (R353Q)	In house qPCR
	Determination of 5 mutations	**Analyzers RealTime PCR Applied Biosystems QuantStudio-5 Thermo Scientific E** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
WB/EDTA	1. Mutation CFTR: dF508	In house qPCR
WB/EDTA	2. Mutation CFTR: G542X	In house qPCR
WB/EDTA	3. Mutation CFTR: N1303K	In house qPCR
WB/EDTA	4. Mutation CFTR: 621+1G>T	In house qPCR
WB/EDTA	5. Mutation CFTR: 2789+5G>A	In house qPCR
	Determination of 51 mutations	**Genetic analyzer ABI-3500 HITACHI/ Elucigene CF (CE-IVD)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
WB/EDTA	1. Mutation CFTR: dF508	PCR - MARMS
WB/EDTA	2. Mutation CFTR: G542X	PCR - MARMS

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
WB/EDTA	3. Mutation CFTR: N1303K	PCR - MARMS
WB/EDTA	4. Mutation CFTR: 621+1G>T	PCR - MARMS
WB/EDTA	5. Mutation CFTR: 1078delT	PCR - MARMS
WB/EDTA	6. Mutation CFTR: 1677delTA	PCR - MARMS
WB/EDTA	7. Mutation CFTR: 1717-1G>A	PCR - MARMS
WB/EDTA	8. Mutation CFTR: 1811+1.6kbA>G	PCR - MARMS
WB/EDTA	9. Mutation CFTR: 1898+1G>A	PCR - MARMS
WB/EDTA	10. Mutation CFTR: 2143delT	PCR - MARMS
WB/EDTA	11. Mutation CFTR: 2184delA	PCR - MARMS
WB/EDTA	12. Mutation CFTR: 2347delG	PCR - MARMS
WB/EDTA	13. Mutation CFTR: 2789+5G>A	PCR - MARMS
WB/EDTA	14. Mutation CFTR: 3120+1G>A	PCR - MARMS
WB/EDTA	15. Mutation CFTR: 3272-26A>G	PCR - MARMS
WB/EDTA	16. Mutation CFTR: 3659delC	PCR - MARMS
WB/EDTA	17. Mutation CFTR: 3849+10kbC>T	PCR - MARMS
WB/EDTA	18. Mutation CFTR: 3905insT	PCR - MARMS
WB/EDTA	19. Mutation CFTR: 394delTT	PCR - MARMS
WB/EDTA	20. Mutation CFTR: 444delA	PCR - MARMS
WB/EDTA	21. Mutation CFTR: 711+1G>T	PCR - MARMS
WB/EDTA	22. Mutation CFTR: A455E	PCR - MARMS
WB/EDTA	23. Mutation CFTR: CFTRdele2,3	PCR - MARMS
WB/EDTA	24. Mutation CFTR: D1152H	PCR - MARMS
WB/EDTA	25. Mutation CFTR: E60X	PCR - MARMS
WB/EDTA	26. Mutation CFTR: G551D	PCR - MARMS
WB/EDTA	27. Mutation CFTR: G85E	PCR - MARMS
WB/EDTA	28. Mutation CFTR: I507del	PCR - MARMS
WB/EDTA	29. Mutation CFTR: L206W	PCR - MARMS
WB/EDTA	30. Mutation CFTR: M1101K	PCR - MARMS
WB/EDTA	31. Mutation CFTR: P67L	PCR - MARMS
WB/EDTA	32. Mutation CFTR: Q890X	PCR - MARMS
WB/EDTA	33. Mutation CFTR: R1066C	PCR - MARMS
WB/EDTA	34. Mutation CFTR: R1158X	PCR - MARMS
WB/EDTA	35. Mutation CFTR: R1162X	PCR - MARMS
WB/EDTA	36. Mutation CFTR: R117C	PCR - MARMS
WB/EDTA	37. Mutation CFTR: R117H	PCR - MARMS
WB/EDTA	38. Mutation CFTR: R334W	PCR - MARMS
WB/EDTA	39. Mutation CFTR: R347H	PCR - MARMS
WB/EDTA	40. Mutation CFTR: R347P	PCR - MARMS
WB/EDTA	41. Mutation CFTR: R553X	PCR - MARMS
WB/EDTA	42. Mutation CFTR: R560T	PCR - MARMS
WB/EDTA	43. Mutation CFTR: S1251N	PCR - MARMS
WB/EDTA	44. Mutation CFTR: S549N	PCR - MARMS
WB/EDTA	45. Mutation CFTR: V520F	PCR - MARMS
WB/EDTA	46. Mutation CFTR: W1282X	PCR - MARMS
WB/EDTA	47. Mutation CFTR: W846X	PCR - MARMS
WB/EDTA	48. Mutation CFTR: Y1092X(C>A)	PCR - MARMS
WB/EDTA	49. Mutation CFTR: Y122X	PCR - MARMS
WB/EDTA	50. Mutation CFTR: S549R(T>G)	PCR - MARMS
WB/EDTA	51. Polymorphism CFTR: IVS8	PCR - MARMS

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Molecular Biology tests		
	Determination of 6 parameters	**Analyzers RealTime PCR Applied Biosystems QuantStudio-5 Thermo Scientific A** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
Nasopharyngeal	1. Qualitative detection of SARS-CoV-2 RNA (gene RdRp IP2 & IP4)	In house Real-Time PCR (protocol of Institut Pasteur)
Pharyngeal	2. Qualitative detection of SARS-CoV-2 RNA (gene RdRp IP2 & IP4)	In house Real-Time PCR (protocol of Institut Pasteur)
serum,plasma (EDTA)	3. Qualitative detection of HBV DNA	Real Time PCR/ HBV Real-TM Quant Dx Sacace (CE-IVD)
serum,plasma (EDTA)	4. Quantitative determination of HBV DNA	Real Time PCR/ HBV Real-TM Quant Dx Sacace (CE-IVD)
serum,plasma (EDTA)	5. Qualitative detection of HCV RNA	Real Time PCR/ HCV Real-TM Quant Dx Sacace (CE-IVD)
serum,plasma (EDTA)	6. Quantitative determination of HCV RNA	Real Time PCR/ HCV Real-TM Quant Dx Sacace (CE-IVD)
	Determination of 2 parameters	**Analyzer Roche Cobas 6800** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
vaginal	1. Qualitative detection of HPV DNA	Real Time PCR / Roche Cobas HPV (CE-IVD)
vaginal	2. Typing of HPV DNA	Real Time PCR / Roche Cobas HPV (CE-IVD)
	Determination of 3 parameters	**Analyzers RealTime PCR Applied Biosystems QuantStudio-5 Thermo Scientific B** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
vaginal	1. HPV-DNA Screening	In house PCR
vaginal	2. HPV-DNA Typing	In house PCR
Sputum/BAL-Lavage	3. *Mycobacterium tuberculosis* detection	In house PCR
	Determination of 18 parameters	**Analyzers RealTime PCR Applied Biosystems QuantStudio-5 Thermo Scientific D** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
vaginal	1. *Chlamydia trachomatis*	In house PCR
urine	2. *Chlamydia trachomatis*	In house PCR
semen	3. *Chlamydia trachomatis*	In house PCR
vaginal	4. *Neisseria gonorrhoeae*	In house PCR
urine	5. *Neisseria gonorrhoeae*	In house PCR
semen	6. *Neisseria gonorrhoeae*	In house PCR
vaginal	7. *Mycoplasma hominis*	In house PCR
urine	8. *Mycoplasma hominis*	In house PCR
semen	9. *Mycoplasma hominis*	In house PCR
vaginal	10. *Ureaplasma urealyticum*	In house PCR
urine	11. *Ureaplasma urealyticum*	In house PCR
semen	12. *Ureaplasma urealyticum*	In house PCR
vaginal	13. *Trichomonas vaginalis*	In house PCR
urine	14. *Trichomonas vaginalis*	In house PCR
semen	15. *Trichomonas vaginalis*	In house PCR
vaginal	16. *Ureaplasma parvum*	In house PCR
urine	17. *Ureaplasma parvum*	In house PCR
semen	18. *Ureaplasma parvum*	In house PCR

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Chemical tests		
	Determination of 6 parameters	**Analyzer HPLC Shimadzu Prominence-I LC 2030C / Chromsystems (CE-IVD)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Vitamin A	Shimadzu 1/HPLC
WB/EDTA	2. Vitamin B1	Shimadzu 1/HPLC
WB/EDTA	3. Vitamin B2	Shimadzu 1/HPLC
WB/EDTA	4. Vitamin B6	Shimadzu 1/HPLC
serum	5. Vitamin C	Shimadzu 2/HPLC
serum	6. Vitamin E	Shimadzu 1/HPLC
	Determination of 9 parameters	**Analyzer HPLC Shimadzu Prominence-I LC 2030C 2 / Chromsystems (CE-IVD)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
urine	1. VMA	HPLC
urine	2. 5-HIAA	HPLC
urine	3. HVA	HPLC
urine	4. Catecholamines in urine	Calculation
urine	5. Adrenalin in urine	HPLC
urine	6. Noradrenalin in urine	HPLC
urine	7. Dopamin in urine	HPLC
urine	8. Metanephrines in urine	HPLC
urine	9. Normetanephrines in urine	HPLC
	Determination of 6 parameters	**Analyzer HPLC Shimadzu Prominence-I LC 2030C / Chromsystems (CE-IVD)** ΤΠ602-03-24-03-2025, ΚΤΑ/30/01.11.2021
serum	1. Amiodarone	Shimadzu 2/HPLC
serum	2. Ethosuximide	Shimadzu 1/HPLC
serum	3. Lamotrigine	Shimadzu 1/HPLC
serum	4. 10-OH-Carbamazepine	Shimadzu 1/HPLC
serum	5. Primidone	Shimadzu 1/HPLC
serum	6. Levetiracetam (Keppra)	Shimadzu 1/HPLC
	Determination of 12 parameters	**Analyzer Analytikjena PlasmaQuant (ICP-MS)** ΤΠ602-03-24/03/25
urine	1. Arsenic(As) in urine	ICP-MS/IN HOUSE
urine	2. Cadmium (Cd) in urine	ICP-MS/IN HOUSE
urine	3. Manganese (Mn) in urine	ICP-MS/IN HOUSE
urine	4. Mercury (Hg) in urine	ICP-MS/IN HOUSE
urine	5. Copper (Cu) in urine	ICP-MS/IN HOUSE
urine	6. Zinc (Zn) in urine	ICP-MS/IN HOUSE
WB/EDTA	7. Arsenic (As) in WB	ICP-MS/IN HOUSE
WB/EDTA	8. Lead (Pb) in WB	ICP-MS/IN HOUSE
WB/EDTA	9. Selenium (Se) in WB	ICP-MS/IN HOUSE
serum	10. Selenium (Se)	ICP-MS/IN HOUSE
serum	11. Copper (Cu)	ICP-MS/IN HOUSE
serum	12. Zinc (Zn) in blood	ICP-MS/IN HOUSE

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

Site of assessement : **Permanent Laboratory premises, 145 Byzantiou str, 142 33 N.Ionia, Athens, Greece.**

Approved signatories: **Panagiota Papadioti.**

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