Hellenic Accreditation System

Annex G1/A13 to the Certificate No. **908**-5

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 HA-8180V** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. HbA1c	High performance liquid chromatography (HPLC)
	Determination of 4 parameters	**Arkray HA-8180T** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. Hemoglobin screen (HPLC)	High performance liquid chromatography (HPLC)
wh.blood/EDTA	2. Hemoglobin A2	High performance liquid chromatography (HPLC)
wh.blood/EDTA	3. Hemoglobin F	High performance liquid chromatography (HPLC)
wh.blood/EDTA	4. Hemoglobin S (detection)	High performance liquid chromatography (HPLC)
	Determination of 70 parameters	**Siemens Atellica CH** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum/plasma (heparin Li^+)	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 2 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)

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
Serum/plasma (EDTA)	13. Albumin	Siemens Atellica 2, 3 CH/Bromocresol green
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)
urine	16. Amylase in urine	Siemens Atellica 2, 3 CH/Enzymatic (pNPG7 blocked)
serum/plasma (heparin Li^+)	17. Calcium (Ca) total	Siemens Atellica 2, 3 CH/Arsenazo III
urine	18. Calcium (Ca) in urine	Siemens Atellica 2, 3 CH/Arsenazo III
serum/plasma (heparin Li^+)	19. γ-GT	Siemens Atellica 1, 2, 3 CH/ IFCC modification
plasma/ EDTA	20. Lactate	Siemens Atellica 3 CH/Enzymatic-Colorimetric
serum/plasma (heparin Li^+/ EDTA)	21. Glucose	Siemens Atellica 1, 2, 3 CH/Enzymatic (Hexokinase)
urine	22. Glucose in urine	Siemens Atellica 2, 3 CH/ Enzymatic (Hexokinase)
serum/plasma (heparin Li^+)	23. Potassium	Siemens Atellica 2, 3 CH/Indirect IMT
urine	24. Potassium in urine	Siemens Atellica 2, 3 CH/Indirect IMT
serum/plasma (heparin Li^+)	25. Creatinine	Siemens Atellica 1, 2, 3 CH/Colorimetric (Jaffe)
urine	26. Creatinine in urine	Siemens Atellica 2, 3 CH/Colorimetric (Jaffe)
serum + urine	27. Creatinine clearance	Calculation
serum	28. Albumin/Globulin Index	Calculation
serum/plasma (heparin Li^+)	29. Lipase	Siemens Atellica 3 CH/Enzymatic-Colorimetric
serum/plasma (EDTA)	30. Lipids total	Calculation
serum/plasma (heparin Li^+)	31. Magnesium (Mg)	Siemens Atellica 2,3 CH/Colorimetric (Xylidyl blue)
urine	32. Magnesium (Mg) in urine	Siemens Atellica 2,3 CH/Colorimetric (Xylidyl blue)
urine	33. Microalbumin in urine	Siemens Atellica 3 CH/Immunoturbidimetry (PEG)
serum/plasma (heparin Li^+)	34. Sodium (Na)	Siemens Atellica 2, 3 CH/Indirect IMT
urine	35. Sodium (Na) in urine	Siemens Atellica 2, 3 CH/Indirect IMT
serum/plasma (heparin Li^+)	36. Urea	Siemens Atellica 1, 2, 3 CH/Enzymatic (urease/ GLDH)
urine	37. Urea in urine	Siemens Atellica 2, 3 CH/EvEnzymatic (urease/ GLDH)
serum+ urine	38. Urea clearance	Calculation
serum/plasma (heparin Li^+)	39. Uric acid	Siemens Atellica 1, 2, 3 CH/Enzymatic (uricase)
urine	40. Uric acid in urine	Siemens Atellica 2, 3 CH/ Enzymatic (uricase)
serum/plasma (heparin Li^+)	41. Total protein	Siemens Atellica 3 CH/Photometric (Biuret)
urine	42. Total protein in urine	Siemens Atellica 2 CH/Dye binding
serum/plasma (heparin Li^+)	43. eGFR	Calculation (NKDEP)
serum	44. Ceruloplasmin	Thermo Konelab 60i /Turbidimetry end-point

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
serum/plasma (heparin Li^+)	45. Iron (Fe)	Siemens Atellica 2, 3 CH/Colorimetric (Ferrozine)
Serum/plasma (heparin Li^+/ EDTA)	46. Globulins total	Calculation
serum	47. Transferrin	Siemens Atellica 3 CH/Immunoturbidimetry (PEG)
serum	48. Transferrin saturation	Calculation
serum/plasma (EDTA)	49. Triglycerides	Siemens Atellica 1, 2, 3 CH/Enzymatic (GPO Trinder)
serum	50. Fructosamine	Thermo Konelab 60i/Colorimetric-kinetic
serum/plasma (heparin Li^+)	51. Alkaline Phosphatase	Siemens Atellica 2, 3 CH/Photometric-AMP Buffer
serum	52. Acid phosphatase	Thermo Konelab 60i/Enzymatic-Colorimetric
serum	53. Acid phosphatase non prostatic	Thermo Konelab 60i/Enzymatic-Colorimetric
serum	54. Acid phosphatase prostatic	Calculation
serum	55. Phospholipids	Calculation
serum	56. Phosphorous inorganic (P)	Siemens Atellica 2, 3 CH/ Phosphomolybdate
serum	57. Phosphorous in urine	Siemens Atellica 2, 3 CH/ Phosphomolybdate
serum	58. Chloride (Cl)	Siemens Atellica 2, 3 CH/ Indirect IMT
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serum/plasma (heparin Li^+)	60. Bilirubin direct	Siemens Atellica 2, 3 CH/Colorimetric-vanadate oxidation
serum/plasma (heparin Li^+)	61. Bilirubin indirect	Calculation
serum/plasma (heparin Li^+)	62. Bilirubin total	Siemens Atellica 2, 3 CH/ Colorimetric-vanadate oxidation
serum/plasma (heparin Li^+)	63. Cholesterol total	Siemens Atellica 1, 2, 3 CH/Enzymatic-colorimetric
serum/plasma (heparin Li^+)	64. Cholesterol HDL	Siemens Atellica 2, 3 CH/2-points Kinetic 2PA
serum/plasma (heparin Li^+)	65. Cholesterol LDL	Siemens Atellica 2 CH/ end-point kinetic EPA
serum/plasma (heparin Li^+/ EDTA)	66. Cholesterol LDL	Calculation
serum/plasma (EDTA)	67. Cholesterol VLDL	Calculation
serum/plasma (EDTA)	68. Bile acids	Siemens Atellica 3 CH/Enzymatic
serum/plasma (heparin Li^+)	69. Cholinesterase	Siemens Atellica 3 CH/Enzymatic
serum	70. Osmolality	Calculation
	Determination of 15 parameters	**Siemens Atellica CH** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. ASTO	Siemens Atellica 3 CH/Immunoturbidimetry (latex)
serum	2. CRP high sensitive	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/plasma	5. A-1-Antitrypsin	Siemens Atellica 3 CH/Immunoturbidimetry (PEG)

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
(heparin Li^+)		
serum/plasma (EDTA)	6. A-1-Acid glycoprotein	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum	7. Immunoglobulin IgA	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum	8. Immunoglobulin IgG	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum	9. Immunoglobulin IgM	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum/plasma (heparin Li^+)	10. Apolipoprotein A1	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum/plasma (heparin Li^+)	11. Apolipoprotein B	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum	12. Ratio ApoA1/ApoB	Calculation
serum	13. Haptoglobulin	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum	14. Complement C3	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
serum	15. Complement C4	Siemens Atellica 3 CH/ Immunoturbidimetry (PEG)
	Determination of 4 parameters	**Siemens Atellica CH & Thermo Konelab 60i** ΤΠ602-01-31/12/21, 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)
plasma/citrate	4. Antithrombin III	Thermo Konelab 60i/Immunoturbidimetry
	Determination of 9 parameters	**Siemens Atellica CH, Thermo Konelab 60i & Siemens Immulite 2000** ΤΠ602-01-31/12/21, 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** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
stool	1. Calprotectin	Siemens Atellica 3 CH/ Immunoturbidimetry (latex)
	Determination of 1 parameter	**Immunochromatography**

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
		ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
stool	1. Fecal occult blood (FOB)	Immunochromatography
	Determination of 9 parameters	**Siemens Atellica CH & Immunochromatography** ΤΠ602-01-31/12/21, 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
urine	7. Cocain	Immunochromatography
urine	8. Opiates	Immunochromatography
urine	9. Phencyclidine (PCP)	Immunochromatography
Electrophoresis & Immunofixation		
	Determination of 5 parameters	**HELENA V8 Capillary** ΤΠ602-01-31/12/21, 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** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. Protein immunofixation	agarose gel
Immunochemical tests		
	Determination of 15 parameters	**Siemens Atellica IM - Chemiluminescence (CLIA)** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. Ferritin	Siemens Atellica IM 1-1, 2-1, 2-2, 3-1/ CLIA
serum	2. Vitamin B-12	Siemens Atellica IM 1-1, 2-1, 2-2, 3-1/ CLIA
serum	3. Vitamin D [25-hydroxy]	Siemens Atellica IM 1-1, 2-1, 2-2, 3-1/ CLIA
serum	4. Folate	Siemens Atellica IM 1-1, 2-1, 2-2, 3-1/ CLIA
serum	5. T3	Siemens Atellica IM 1-1, 2-1, 2-2, 3-1/ CLIA
serum	6. T3 free	Siemens Atellica IM 1-1, 2-1, 2-2, 3-1/ CLIA
serum	7. T4	Siemens Atellica IM 1-1, 2-1, 2-2, 3-1/ CLIA
serum	8. T4 free	Siemens Atellica IM 1-1, 2-1, 2-2, 3-1/ CLIA
serum	9. anti-Tg	Siemens Atellica IM 1-1, 2-1, 2-2, 3-1/ CLIA
serum	10. anti-TPO	Siemens Atellica IM 1-1, 2-1, 2-2, 3-1/ CLIA
serum	11. TSH	Siemens Atellica IM 1-1, 2-1, 2-2, 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, 2-2, 3-1/ CLIA
serum	14. Cortisol	Siemens Atellica IM 3-1/ CLIA

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
urine	15. Cortisol in urine	Siemens Atellica IM 3-1/ CLIA
	Determination of 8 parameters	**Siemens Atellica IM - Chemiluminescence (CLIA)** ΤΠ602-01-31/12/21, 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 (CLIA)** ΤΠ602-01-31/12/21, 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 IM – Chemiluminescence (CLIA)** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. Immunoglobulin IgE	Siemens Atellica IM 3-1/ CLIA
serum/plasma (heparin Li^+)	2. Troponin-I high sensitive	Siemens Atellica IM 2-2/ CLIA
	Determination of 16 parameters	**Siemens Atellica IM – Chemiluminescence (CLIA)** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. Quantitative determination of IgG antibodies to the SARS-CoV-2 spike (S) protein receptor binding domain (RBD)	Siemens Atellica IM 2-2/ CLIA
serum	2. HAV antibodies total	Siemens Atellica IM 3-2/ CLIA
serum	3. HAV antibodies IgM	Siemens Atellica IM 3-2/ CLIA
serum	4. HBs Ag	Siemens Atellica IM 3-2/ CLIA
serum	5. HBs antibodies	Siemens Atellica IM 3-2/ CLIA
serum	6. HBc antibodies total	Siemens Atellica IM 3-2/ CLIA
serum	7. HBc antibodies IgM	Siemens Atellica IM 3-2/ CLIA
serum	8. HBe Ag	Siemens Atellica IM 3-2/ CLIA
serum	9. HBe antibodies	Siemens Atellica IM 3-2/ CLIA
serum	10. HCV antibodies	Siemens Atellica IM 3-2/ CLIA
serum	11. HIV Ag/Ab	Siemens Atellica IM 3-2/ CLIA
serum	12. Syphilis (Treponema IgG+IgM) Abs	Siemens Atellica IM 3-2/ CLIA
serum	13. Toxoplasma IgG	Siemens Atellica IM 3-2/ CLIA

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
serum	14. Toxoplasma IgM	Siemens Atellica IM 3-2/ CLIA
serum	15. Rubella IgG	Siemens Atellica IM 3-2/ CLIA
serum	16. Rubella IgM	Siemens Atellica IM 3-2/ CLIA
	Determination of 3 parameters	**Brahms Kryptor Compact Plus** ΤΠ602-01-31/12/21, 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
	Determination of 3 parameters	**SsdwLab software** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
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 10 parameters	**Roche Cobas e411** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum/plasma (EDTA)	1. CCP autoantibodies	Electrochemiluminescence (ECLIA)
serum	2. Thyroglobulin (Tg)	Electrochemiluminescence (ECLIA)
serum	3. NSE	Electrochemiluminescence (ECLIA)
serum	4. CA 72.4	Electrochemiluminescence (ECLIA)
serum	5. Insulin	Electrochemiluminescence (ECLIA)
serum	6. C peptide	Electrochemiluminescence (ECLIA)
serum	7. HOMA-IR	Calculation
serum/plasma (EDTA)	8. Troponin-T	Electrochemiluminescence (ECLIA)
serum/plasma (EDTA)	9. HIV I+II antibodies	Electrochemiluminescence (ECLIA)
serum/plasma (EDTA)	10. HCV antibodies	Electrochemiluminescence (ECLIA)
	Determination of 4 parameters	**Diasorin Liaison 1** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. Aldosterone	Chemiluminescence (CLIA)
plasma/EDTA	2. Renin direct	Chemiluminescence (CLIA)
serum	3. Somatomedin C (IGF-1)	Chemiluminescence (CLIA)
serum	4. Growth hormone	Chemiluminescence (CLIA)
	Determination of 6 parameters	**Diasorin Liaison 1** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. ANA autoantibodies	Chemiluminescence (CLIA)
serum	2. AAbs DNAds	Chemiluminescence (CLIA)
serum	3. AAbs ENA	Chemiluminescence (CLIA)
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 6 parameters	**Siemens Immulite 2000 2** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. EBV IgG	Chemiluminescence (CLIA)
serum	2. EBV IgM	Chemiluminescence (CLIA)
serum	3. Helicobacter pylori IgG	Chemiluminescence (CLIA)

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
serum	4. CMV IgG	Chemiluminescence (CLIA)
serum	5. CMV IgM	Chemiluminescence (CLIA)
serum	6. Theophylline	Chemiluminescence (CLIA)
	Determination of 6 parameters	**Siemens Immulite 2000** ΤΠ602-01-31/12/21, 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)
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** ΤΠ602-01-31/12/21, 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)

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
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)
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)

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
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)
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)

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
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)
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)

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
serum	183. A.W20 - Nettle	Chemiluminescence (CLIA)
serum	184. A.W21 - Parietaria judaica	Chemiluminescence (CLIA)
Haematological tests		
	Determination of 8 parameters	**Microscopy** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. Reticulocyte analysis	Methylene blue stain
wh.blood/EDTA	2. RBC morphology	Giemsa stain
wh.blood/EDTA	3. PLT count	Giemsa stain
wh.blood/EDTA	4. LY (%)	Giemsa stain
wh.blood/EDTA	5. MO%	Giemsa stain
wh.blood/EDTA	6. GR/NE%	Giemsa stain
wh.blood/EDTA	7. EO%	Giemsa stain
wh.blood/EDTA	8. BA%	Giemsa stain
	Determination of 22 parameters	**Beckman Coulter DxH600** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. HGB	Photometric
wh.blood/EDTA	2. HCT	Automatic calculation from RBC and MCV
wh.blood/EDTA	3. WBC	Coulter principle
wh.blood/EDTA	4. LY	Calculation from WBC and LY%
wh.blood/EDTA	5. MO	Calculation f rom WBC and MO%
wh.blood/EDTA	6. GR/NE	Calculation from WBC and GR/NE%
wh.blood/EDTA	7. EO	Calculation from WBC and EO%
wh.blood/EDTA	8. BA	Calculation from WBC and BA%
wh.blood/EDTA	9. LY%	Volume, conductivity & light scatter analysis
wh.blood/EDTA	10.MO%	Volume, conductivity & light scatter analysis
wh.blood/EDTA	11.GR/NE%	Volume, conductivity & light scatter analysis
wh.blood/EDTA	12.EO%	Volume, conductivity & light scatter analysis
wh.blood/EDTA	13.BA%	Volume, conductivity & light scatter analysis
wh.blood/EDTA	14.RBC	Coulter principle
wh.blood/EDTA	15.MCV	Coulter principle
wh.blood/EDTA	16.MCH	Automatic calculation from HGB and RBC
wh.blood/EDTA	17.MCHC	Automatic calculation from HGB and HCT
wh.blood/EDTA	18.RDW	Coulter principle
wh.blood/EDTA	19.PLT	Coulter principle
wh.blood/EDTA	20.PCT	Calculation from PLT and MPV
wh.blood/EDTA	21.MPV	Coulter principle
wh.blood/EDTA	22.PDW	Coulter principle
	Determination of 4 parameters	**Otrho BioVue & Hemagglutination - Agglutination** ΤΠ602-01-31/12/21, 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 8 coagulant factors	**Siemens BCS XP** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
plasma/citrate	1. Fibrinogen (activity)	Photometric
plasma/citrate	2. APTT	Clot detection

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
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
RIA – EIA – IFA		
	Determination of 2 parameters	**Stratec SR300 (RIA) & DYNEX DSX 1 (EIA)** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. Chromogranin-A (CgA)	Dynex DSX 1/ELISA
serum	2. 17-OH-Progesterone	Stratec SR300 & Counter PC.RIA MAS/ RIA
	Determination of 1 parameter	**DYNEX DSX 1 (EIA)** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. Quantiferon TB-Gold® Plus	ELISA
	Determination of 48 parameters	**DYNEX DSX (EIA), Agglutination, Hemagglutination (IHA) & IFA** ΤΠ602-01-31/12/21, 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	Agglutination – latex
serum	4. Adenovirus IgG	Dynex DSX 1/ELISA
serum	5. Adenovirus IgM	Dynex DSX 1/ELISA
serum	6. Amoebiasis	Indirect hemagglutination (IHA)
serum	7. VZV IgG	Dynex DSX 1/ELISA
serum	8. VZV IgM	Dynex DSX 1/ELISA
serum	9. Aspergillus IgG	Dynex DSX 1/ELISA
serum	10. Aspergillus IgM	Dynex DSX 1/ELISA
serum	11. Brucella IgG	Dynex DSX 1/ELISA
serum	12. Brucella IgM	Dynex DSX 1/ELISA
serum	13. Yersinia IgG	Dynex DSX 1/ELISA
serum	14. Yersinia IgM	Dynex DSX 1/ELISA
serum	15. Influenza-A IgG	Dynex DSX 2/ELISA
serum	16. Influenza-A IgM	Dynex DSX 2/ELISA
serum	17. Influenza-B IgG	Dynex DSX 2/ELISA
serum	18. Influenza-B IgM	Dynex DSX 2/ELISA
serum	19. Echovirus IgG	Dynex DSX 2/ELISA
serum	20. Echovirus IgM	Dynex DSX 2/ELISA
serum	21. Helicobacter pylori IgA	Dynex DSX 1/ELISA
serum	22. Enterovirus IgG	Dynex DSX 2/ELISA
serum	23. Enterovirus IgM	Dynex DSX 2/ELISA
serum	24. Echinococcus	Indirect hemagglutination (IHA)
serum	25. Measles IgG	Dynex DSX 1/ELISA
serum	26. Measles IgM	Dynex DSX 1/ELISA
serum	27. Candida IgG	Dynex DSX 2/ELISA
serum	28. Candida IgM	Dynex DSX 2/ELISA

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
serum	29. Coxsackie IgG	Dynex DSX 2/ELISA
serum	30. Coxsackie IgM	Dynex DSX 2/ELISA
serum	31. Coxiella burnetii phase-I IgG	Immunofluorescence (IFA)
serum	32. Coxiella burnetii phase-I IgM	Immunofluorescence (IFA)
serum	33. Coxiella burnetii phase-II IgG	Immunofluorescence (IFA)
serum	34. Coxiella burnetii phase-II IgM	Immunofluorescence (IFA)
serum	35. Leptospira IgG	Dynex DSX 2/ELISA
serum	36. Leptospira IgM	Dynex DSX 2/ELISA
serum	37. Bordetella pertussis IgG	Dynex DSX 1/ELISA
serum	38. Bordetella pertussis IgM	Dynex DSX 1/ELISA
serum	39. Borrelia IgG	Dynex DSX 1/ELISA
serum	40. Borrelia IgM	Dynex DSX 1/ELISA
serum	41. Mycoplasma pneumonia IgG	Dynex DSX 1/ELISA
serum	42. Mycoplasma pneumonia IgM	Dynex DSX 1/ELISA
serum	43. Parvovirus IgG	Dynex DSX 1/ELISA
serum	44. Parvovirus IgM	Dynex DSX 1/ELISA
serum	45. Mumps IgG	Dynex DSX 1/ELISA
serum	46. Mumps IgM	Dynex DSX 1/ELISA
serum	47. Tetanus IgG	Dynex DSX 2/ELISA
serum	48. Chlamydia trachomatis IgG	Dynex DSX 1/ELISA
	Determination of 10 parameters	**Flocculation assays/ Hemagglutination assays** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. Wright	Omega Micropath Antigens/Brucella sp.
serum	2. Widal-TH	Omega Micropath Antigens/Salmonella H (Typhi H)
serum	3. Widal-BH	Omega Micropath Antigens/Salmonella H (Paratyphi B-H)
serum	4. Widal-TO	Omega Micropath Antigens/Salmonella O (Typhi O)
serum	5. Widal-BO	Omega Micropath Antigens/Salmonella O (Paratyphi B-O)
serum	6. Widal-AO	Omega Micropath Antigens/Salmonella O (Paratyphi A-O)
serum	7. Widal-AH	Omega Micropath Antigens/Salmonella H (Paratyphi A-H)
serum	8. Widal-CO	Omega Micropath Antigens/Salmonella O (Paratyphi C-O)
serum	9. Widal-CH	Omega Micropath Antigens/Salmonella H (Paratyphi C-H)
serum	10. TPHA	Omega Immutrep TPHA
	Determination of 12 parameters	**Menarini ZenitUP (IFA), DYNEX DSX 2 (EIA) & Immunoblot Testline** ΤΠ602-01-31/12/21, 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

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
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)** ΤΠ602-01-31/12/21, 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)** ΤΠ602-01-31/12/21, 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)
serum	4. AAbs B2 Glycoprotein IgM	ELISA (EIA)
serum	5. AAbs Phospholipid IgG	ELISA (EIA)
serum	6. AAbs Phospholipid IgM	ELISA (EIA)
	Determination of 6 parameters	**Menarini ZenitUP (IFA) & DYNEX DSX 1 (EIA)** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. AAbs Gliadin IgA	ELISA (EIA)
serum	2. AAbs Gliadin IgG	ELISA (EIA)
serum	3. AAbs tTG autoantibodies IgA	ELISA (EIA)
serum	4. AAbs tTG autoantibodies IgG	ELISA (EIA)
serum	5. AAbs Endomysium IgA	Immunofluorescence (IFA)
serum	6. AAbs Endomysium IgG	Immunofluorescence (IFA)
	Determination of 3 parameters	**Menarini ZenitUP (IFA) & DYNEX DSX 2 (EIA)** ΤΠ602-01-31/12/21, 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 9 parameters	**Menarini ZenitUP (IFA), DYNEX DSX 2 (EIA), STRATEC RIA SR300 & COUNTER PC.RIA MAS (RIA)** ΤΠ602-01-31/12/21, 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)

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
serum	6. AAbs GBM	ELISA (EIA)
serum	7. AAbs Striated Muscle	Immunofluorescence (IFA)
serum	8. AAbs ADR Cortex	Immunofluorescence (IFA)
serum	9. AAbs AchR	RIA
Microbiological tests		
	Determination of 11 parameters	**Urinanalysis - Macroscopic and Microscopic** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
urine	1. Urinalysis: Appearance	Macroscopic observation
urine	2. Urinalysis: Colour	Macroscopic observation
urine	3. Urinalysis: Sediment	Macroscopic observation
urine	4. Urinalysis: White blood cells	Microscopic analysis of urine sediment
urine	5. Urinalysis: Erythrocytes	Microscopic analysis of urine sediment
urine	6. Urinalysis: Epithelial cells	Microscopic analysis of urine sediment
urine	7. Urinalysis: Mucus	Microscopic analysis of urine sediment
urine	8. Urinalysis: Crystals	Microscopic analysis of urine sediment
urine	9. Urinalysis: Cylinders	Microscopic analysis of urine sediment
urine	10. Urinalysis: Amorphous salts	Microscopic analysis of urine sediment
urine	11. Urinalysis: Microorganisms	Microscopic analysis of urine sediment
	Determination of 9 parameters	**Urinalysis - SediMAX** ΤΠ602-01-31/12/21, 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*
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** ΤΠ602-01-31/12/21, 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** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
urine	1. Culture: Urine	Culture
stool	2. Culture: Stool	Culture

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
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 s*pp	Culture
skin,nails,hair	24. Culture: *Candida s*pp	Culture
urogenital, optical	25. Culture: *Neisseria gonorrhoeae*	Culture
Urogenital, perineum	26. Culture: *S. agalactiae*	Culture
	Determination of 4 parameters	**Microscopic observation** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
biological	1. Microscopy: Gram stain	Gram stain
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** ΤΠ602-01-31/12/21, 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** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
isolate	1. Antibiotic sensitivity testing: Gram(-)	Panels
isolate	2. Antibiotic sensitivity testing: Gram(+)	Panels
Molecular Genetics tests		

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
	Determination of 1 parameter	**Analyzers PCR BIORAD C1000TM, TECHNE TC312, TECHNE PRIME, TECHNE TC3000** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. HLA-B27 detection	In house PCR
	Determination of 5 mutations	**Analyzers PCR BIORAD C1000TM, TECHNE TC312, TECHNE PRIME, TECHNE TC3000** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. Mutation Factor V-Leiden G1691A	In house PCR-RFLPs
wh.blood/EDTA	2. Mutation Prothrombin G20210A	In house PCR-RFLPs
wh.blood/EDTA	3. Mutation MTHFR C677T	In house PCR-RFLPs
wh.blood/EDTA	4. Mutation MTHFR A1298C	In house PCR-RFLPs
wh.blood/EDTA	5. Mutation PAI-1	In house PCR-RFLPs
	Determination of 7 mutations	**Viennalab CVD Strip Assay (CE-IVD)** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. Mutation FXIII	Reverse hybridization
wh.blood/EDTA	2. Mutation GPIIIa	Reverse hybridization
wh.blood/EDTA	3. Mutation Fibrinogen	Reverse hybridization
wh.blood/EDTA	4. Mutation FVH1299R	Reverse hybridization
wh.blood/EDTA	5. Mutation ApoB	Reverse hybridization
wh.blood/EDTA	6. Mutation ApoE	Reverse hybridization
wh.blood/EDTA	7. Mutation ACE	Reverse hybridization
	Determination of 4 mutations	**Analyzers PCR BIORAD C1000TM, TECHNE TC312, TECHNE PRIME, TECHNE TC3000** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. Mutation CFTR: dF508	In house PCR-ARMS
wh.blood/EDTA	2. Mutation CFTR: G542X	In house PCR-ARMS
wh.blood/EDTA	3. Mutation CFTR: N1303K	In house PCR-RFLPs
wh.blood/EDTA	4. Mutation CFTR: 621+1G>T	In house PCR-ARMS
	Determination of 51 mutations	**Genetic analyzer ABI-3500 HITACHI/ Elucigene CF (CE-IVD)** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. Mutation CFTR: dF508	PCR - MARMS
wh.blood/EDTA	2. Mutation CFTR: G542X	PCR - MARMS
wh.blood/EDTA	3. Mutation CFTR: N1303K	PCR - MARMS
wh.blood/EDTA	4. Mutation CFTR: 621+1G>T	PCR - MARMS
wh.blood/EDTA	5. Mutation CFTR: 1078delT	PCR - MARMS
wh.blood/EDTA	6. Mutation CFTR: 1677delTA	PCR - MARMS
wh.blood/EDTA	7. Mutation CFTR: 1717-1G>A	PCR - MARMS
wh.blood/EDTA	8. Mutation CFTR: 1811+1.6kbA>G	PCR - MARMS
wh.blood/EDTA	9. Mutation CFTR: 1898+1G>A	PCR - MARMS
wh.blood/EDTA	10.Mutation CFTR: 2143delT	PCR - MARMS
wh.blood/EDTA	11.Mutation CFTR: 2184delA	PCR - MARMS
wh.blood/EDTA	12.Mutation CFTR: 2347delG	PCR - MARMS
wh.blood/EDTA	13.Mutation CFTR: 2789+5G>A	PCR - MARMS
wh.blood/EDTA	14.Mutation CFTR: 3120+1G>A	PCR - MARMS
wh.blood/EDTA	15.Mutation CFTR: 3272-26A>G	PCR - MARMS
wh.blood/EDTA	16.Mutation CFTR: 3659delC	PCR - MARMS
wh.blood/EDTA	17.Mutation CFTR: 3849+10kbC>T	PCR - MARMS
wh.blood/EDTA	18.Mutation CFTR: 3905insT	PCR - MARMS
wh.blood/EDTA	19.Mutation CFTR: 394delTT	PCR - MARMS

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
wh.blood/EDTA	20.Mutation CFTR: 444delA	PCR - MARMS
wh.blood/EDTA	21.Mutation CFTR: 711+1G>T	PCR - MARMS
wh.blood/EDTA	22.Mutation CFTR: A455E	PCR - MARMS
wh.blood/EDTA	23.Mutation CFTR: CFTRdele2,3	PCR - MARMS
wh.blood/EDTA	24.Mutation CFTR: D1152H	PCR - MARMS
wh.blood/EDTA	25.Mutation CFTR: E60X	PCR - MARMS
wh.blood/EDTA	26.Mutation CFTR: G551D	PCR - MARMS
wh.blood/EDTA	27.Mutation CFTR: G85E	PCR - MARMS
wh.blood/EDTA	28.Mutation CFTR: I507del	PCR - MARMS
wh.blood/EDTA	29.Mutation CFTR: L206W	PCR - MARMS
wh.blood/EDTA	30.Mutation CFTR: M1101K	PCR - MARMS
wh.blood/EDTA	31.Mutation CFTR: P67L	PCR - MARMS
wh.blood/EDTA	32.Mutation CFTR: Q890X	PCR - MARMS
wh.blood/EDTA	33.Mutation CFTR: R1066C	PCR - MARMS
wh.blood/EDTA	34.Mutation CFTR: R1158X	PCR - MARMS
wh.blood/EDTA	35.Mutation CFTR: R1162X	PCR - MARMS
wh.blood/EDTA	36.Mutation CFTR: R117C	PCR - MARMS
wh.blood/EDTA	37.Mutation CFTR: R117H	PCR - MARMS
wh.blood/EDTA	38.Mutation CFTR: R334W	PCR - MARMS
wh.blood/EDTA	39.Mutation CFTR: R347H	PCR - MARMS
wh.blood/EDTA	40.Mutation CFTR: R347P	PCR - MARMS
wh.blood/EDTA	41.Mutation CFTR: R553X	PCR - MARMS
wh.blood/EDTA	42.Mutation CFTR: R560T	PCR - MARMS
wh.blood/EDTA	43.Mutation CFTR: S1251N	PCR - MARMS
wh.blood/EDTA	44.Mutation CFTR: S549N	PCR - MARMS
wh.blood/EDTA	45.Mutation CFTR: V520F	PCR - MARMS
wh.blood/EDTA	46.Mutation CFTR: W1282X	PCR - MARMS
wh.blood/EDTA	47.Mutation CFTR: W846X	PCR - MARMS
wh.blood/EDTA	48.Mutation CFTR: Y1092X(C>A)	PCR - MARMS
wh.blood/EDTA	49.Mutation CFTR: Y122X	PCR - MARMS
wh.blood/EDTA	50.Mutation CFTR: S549R(T>G)	PCR - MARMS
wh.blood/EDTA	51.Polymorphism CFTR: IVS8	PCR - MARMS
Molecular Biology tests		
	Determination of 6 parameters	**Analyzers RealTime PCR Applied Biosystems QuantStudio-5 Thermo Scientific A, B & C** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
Nasopharyngeal swab	1. Qualitative detection of SARS-CoV-2 RNA (gene RdRp IP2 & IP4)	In house Real-Time PCR (protocol of Institut Pasteur)
Pharyngeal swab	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)

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
	Determination of 15 parameters	**Analyzer PCR Biorad C1000TM** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
vaginal	1. *Chlamydia trachomatis*	In house multiplex PCR
urine	2. *Chlamydia trachomatis*	In house multiplex PCR
semen	3. *Chlamydia trachomatis*	In house multiplex PCR
vaginal	4. *Neisseria gonorrhoeae*	In house multiplex PCR
urine	5. *Neisseria gonorrhoeae*	In house multiplex PCR
semen	6. *Neisseria gonorrhoeae*	In house multiplex PCR
vaginal	7. *Mycoplasma hominis*	In house multiplex PCR
urine	8. *Mycoplasma hominis*	In house multiplex PCR
semen	9. *Mycoplasma hominis*	In house multiplex PCR
vaginal	10. *Ureaplasma urealyticum*	In house multiplex PCR
urine	11. *Ureaplasma urealyticum*	In house multiplex PCR
semen	12. *Ureaplasma urealyticum*	In house multiplex PCR
vaginal	13. *Trichomonas vaginalis*	In house multiplex PCR
urine	14. *Trichomonas vaginalis*	In house multiplex PCR
semen	15. *Trichomonas vaginalis*	In house multiplex PCR
Chemical tests		
	Determination of 6 parameters	**Analyzer HPLC Shimadzu** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
serum	1. Vitamin A	Shimadzu 1/HPLC
wh.blood/EDTA	2. Vitamin B1	Shimadzu 1/HPLC
wh.blood/EDTA	3. Vitamin B2	Shimadzu 1/HPLC
wh.blood/EDTA	4. Vitamin B6	Shimadzu 1/HPLC
serum	5. Vitamin C	Shimadzu 2/HPLC
serum	6. Vitamin E	Shimadzu 1/HPLC
	Determination of 3 parameters	**Analyzer HPLC Shimadzu 2** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
urine	1. VMA	HPLC
urine	2. 5-HIAA	HPLC
urine	3. HVA	HPLC
	Determination of 4 parameters	**Analyzer HPLC Shimadzu** ΤΠ602-01-31/12/21, 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
	Determination of 4 parameters	**Analyzer GF-AAS Varian GTA-120** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021
wh.blood/EDTA	1. Manganese (Mn)	Atomic absorption graphite furnace (GF-AAS)
wh.blood/EDTA	2. Lead (Pb) in blood	Atomic absorption graphite furnace (GF-AAS)
serum	3. Copper (Cu) in blood	Atomic absorption graphite furnace (GF-AAS)
urine	4. Copper (Cu) in urine	Atomic absorption graphite furnace (GF-AAS)
	Determination of 2 parameters	**Analyzer F-AAS Varian 240-FS** ΤΠ602-01-31/12/21, ΚΤΑ/30/01.11.2021

Materials/ Products tested	Types of test/Properties measured	Applied methods/Techniques used
serum	1. Zinc (Zn) in blood	Atomic absorption flame (F-AAS)
urine	2. Zinc (Zn) in urine	Atomic absorption flame (F-AAS)

**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: **Sofia Dokou.**

This scope of Accreditation replaces the previous one dated 04.03.2022.
The Accreditation Certificate No. **908**-5, to ELOT EN ISO 15189:2012, has been extended until 18.09.2022.

Athens, May 25, 2022

Christos Nestoras
CEO of ESYD