HELLENIC ACCREDITATION SYSTEM

Annex G1/5 to the Certificate No. **1302**-3

SCOPE of ACCREDITATION

of the

Biochemistry Department

of the

LABZ A to Z medical solutions
Private Diagnostic Laboratory S.A.

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	Biochemical Tests	
Blood serum	***Determination of 66 parameters***	***Automatic Systmes Cobas Pro Integrated Solutions, C503 (1&2&3), ISE (1&2&3), E801(1&2&3) Roche* Π1/4η/29.11.2023***
	1. Glucose (GLU)	Enzymatic colorimetric reaction hexokinase (HK)
	2. Triglycerides (TGs)	Enzymatic colorimetric reaction
	3. Total Cholesterol (CHOL)	Enzymatic colorimetric reaction
	4. Uric acid (UA)	Enzymatic colorimetric reaction uricase-peroxidase
	5. Urea (UREA)	Kinetic colorimetric urease
	6. Creatinine (CREA)	Kinetic colorimetric JAFFE METHOD (compensated)
	7. Total Lipids (TL)	Calculated by CHOL and TGs (Enzymatic colorimetric)
	8. Calcium total (CA)	Colorimetric method NM BAPTA
	9. Phosphorus (P)	Colorimetric method PHOSPHOMOLYBDATE
	10. Iron	Colorimetric method FERROZINE
	11. Total Protein (TP)	Colorimetric method BIURET
	12. Albumin (ALB)	Colorimetric method BROMOCRESOL GREEN
	13. Magnesium (Mg)	Colorimetric method XYLIDYL BLUE
	14. Phospholipids (PL)	Calculated by CHOL (Enzymatic colorimetric)
	15. Serum glutamic-oxaloacetic transaminase (SGOT)	Colorimetric method IFCC** with P-S-P
	16. Serum glutamic-pyruvic transaminase (SGPT)	Colorimetric method IFCC** with P-S-P
	17. Gamma-glutamyl trasferase (GGT)	Enzymatic colorimetric IFCC** (Glutamyl-3-carboxy-4nitroanillide)
	18. Alkaline phosphatase (ALP)	Colorimetric method liquid acc to IFCC**
	19. Creatinine kinase (CK/CPK)	Enzymatic colorimetric method liquid IFCC**
	20. Lactate dehydrogenase (LDH)	Colorimetric method liquid IFCC**

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (continued)	21. Amylase (AMY)	Enzymatic colorimetric method IFCC** (G7-PNP)
	22. Globulins	Calculated by TP and ALB (Enzymatic colorimetric)
	23. HDL cholesterol (HDL-C)	Homogeneous enzymatic colorimetric
	24. VLDL cholesterol (VLDL-C)	Calculated by TGs (Enzymatic colorimetric)
	25. Total Bilirubin (TBIL)	Colorimetric method of diazonium (DPD)
	26. Direct Bilirubin (DBIL)	Colorimetric method of diazonium (DPD)
	27. Indirect Bilirubin(IBIL)	Calculated by TBIL and DBIL (Colorimetric)
	28. Potassium	Potentiometric ISE (ion-selective membrane to develop an electrical potential (electromotive force, EMF) for the measurements of ions in solution).
	29. Sodium	Potentiometric ISE (ion-selective membrane to develop an electrical potential (electromotive force, EMF) for the measurements of ions in solution).
	30. Chloride (Cl)	Potentiometric ISE (ion-selective membrane to develop an electrical potential (electromotive force, EMF) for the measurements of ions in solution).
	31. CK-MB (CK-MB a)	Immunological UV assay
	32. Transferrin (Tf)	Immunoturbidimetric assay
	33. High Sensitive C-reactive protein (hs CRP)	Particle enhanced immunoturbidimetric assay
	34. C Reactive Protein (CRP)	Particle-enhanced immunoturbidimetric assay
	35. Total Lipids	Calculated by CHOL and TGs (Enzymatic colorimetric)
	36. Immunoglobulin A (IgA)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	37. Immunoglobulin G (IgG)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	38. Immunoglobulin M (IgM)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	39. Immunoglobulin E (IgE)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	40. Complement C3 (C3)	Immunoturbidimetric assay
	41. Complement C4 (C4)	Immunoturbidimetric assay
	42. RA Test (RF)	Immunoturbidimetric assay
	43. Antistreptolysin-O (ASTO)	Immunoturbidimetric assay
	44. LDL cholesterol (LDL-C)	Enzymatic colorimetric reaction (PEG)
	45. Apolipoprotein A1 (Apo A1)	Immunoturbidimetric assay
	46. Apolipoprotein B (Apo B)	Immunoturbidimetric assay
	47. Lipoprotein (a) [LP(a)]	Immunoturbidimetric assay
	48. Urine phosphorus	Colorimetric method

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (continued)	49. Urine chlorides	Potentiometric ISE
	50. Uric Acid Urine	Enzymatic colorimetric reaction
	51. Urea Urine	Kinetic colorimetric urease
	52. Magnesium urine	Colorimetric method
	53. Glucose urine	Enzymatic colorimetric reaction
	54. Amylase Urine	Enzymatic colorimetric reaction
	55. Calcium Urine	Kinetic colorimetric method
	56. Creatinine,Urine	Kinetic colorimetric method
	57. Potassium Urine	Potentiometric ISE
	58. Sodium Urine	Potentiometric ISE
	59. Total Proteins Urine	Turbidimetric assay
	60. Urine albumin	Immunoturbidimetric assay
	61. HOMA-IR (Homeostatic Model Assessment for Insulin Resistance)	Calculated by GLU and INS
	62. Serum Nitrogen	Calculated by UREA
	63. Total Cholesterol/HDL Ratio	Calculated by CHOL and HDL
	64. Serum Osmoticity	Calculated by GLU and UREA
	65. Urine Osmoticity	Calculated by GLU URINE and UREA URINE
	66. GFR (Glomerular filtration rate)	Calculated by CREAT
Blood serum	***Determination of 5 parameters***	***Automatic System OCTA CAPILLARYS 3***
	Serum Albumin Electrophoresis 1. 1. (1) A1 Globulin 2. 2. (2) A2 Globulin 3. 3. (3) B Globulin 4. 4. (4) C Globulin 5. 5. (5) Albumin	Electrophoresis
Immunochemical Tests		

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum	***Determination of 67 parameters***	***Automatic Systmes Cobas Pro Integrated Solutions, C503 (1&2&3), ISE (1&2&3), E801(1&2&3) Roche* Π1/4η/29.11.2023***
	1. Ferritin	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	2. Prostate Specific Antigen (PSA)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	3. Thyrotropin Hormone (TSH)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	4. Thyroxin total (T4)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	5. Triidothyronine total (T3)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	6. Free Thyroxin (FT4)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	7. Free Triidothyronine (FT3)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	8. Troponin T (hs) (Tn-I (hs))	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	9. Alpha Fetoprotein (AFP)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	10. Carcinoembryonic antigen (CEA)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	11. Cancer antigen (CA 125)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	12. Cancer antigen (CA 15-3)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	13. Cancer antigen (CA 19-9)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	14. Free Prostatic Specific Antigen (FPSA)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	15. B2 Microsphere (B2M)	Immunoturbidimetric assay
	16. Cortisol (CORT)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	17. β-Human Chorionic Gonadotropin (HCG)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	18. Luteinizing Hormone (LH)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	19. Follicle Stimulating Hormone (FSH)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	20. Estradiol (E2)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	21. Progesterone (PRG)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	22. Prolactin (PRL)	Electro-Chemiluminescense (ECLIA) (Competitive)
	23. Testosterone (TESTO)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	24. Follate (FOL)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	25. Vitamin B12 (B12)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	26. Thyroglobulin (TG)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	27. Thyroid Autoantibodies Against Microsomal Antibodies (A-TPO)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	28. Antithyroglobulin Antibodies (A-TG)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (continued)	29. NT-pro BNP - Pro-Brain Natriuretic Peptide (NT-pro BNP)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	30. 25 OH Vitamin D (25OHD)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	31. Sex hormone-binding globulin (SHBG)	Electro-Chemiluminescense (ECLIA) (Competitive)
	32. Calcitonin	Electro-Chemiluminescense (ECLIA) (Competitive)
	33. iPTH-Serum Parathyroid hormone	Electro-Chemiluminescense (ECLIA) (Competitive)
	34. Homocysteine	Immunoturbidimetric assay
	35. Insulin	Electro-Chemiluminescense (ECLIA) (Competitive)
	36. DHEA-S Dehydroepiandrosterone sulfate	Electro-Chemiluminescense (ECLIA) (Competitive)
	37. C peptide	Electro-Chemiluminescense (ECLIA) (Competitive)
	38. HAV Total antibodies	Electro-Chemiluminescense (ECLIA) (Competitive)
	39. Anti-HAV IgG	Chemiluminescense (CLIA) (Competitive)
	40. Anti-HAV IgM	Electro-Chemiluminescense (ECLIA) (Competitive)
	41. Epstein Barr VCA IgG	Electro-Chemiluminescense (ECLIA) (Competitive)
	42. Epstein Barr VCA IgM	Electro-Chemiluminescense (ECLIA) (Competitive)
	43. Syphilis Total Antibodies	Electro-Chemiluminescense (ECLIA) (Competitive)
	44. Hepatitis B e-Antigen (HBeAg)	Chemiluminescense (CLIA) (Competitive)
	45. Hepatitis B Surface Antigen (HBsAg)	Electro-Chemiluminescense (ECLIA) (Competitive)
	46. Anti-HBe	Electro-Chemiluminescense (ECLIA) (Competitive)
	47. Anti-HBs	Electro-Chemiluminescense (ECLIA) (Competitive)
	48. HBc Total Antibodies	Electro-Chemiluminescense (ECLIA) (Competitive)
	49. Anti-HBc IgM	Electro-Chemiluminescense (ECLIA) (Competitive)
	50. HCV Total Antibodies	Electro-Chemiluminescense (ECLIA) (Competitive)
	51. HIV I/II	Electro-Chemiluminescense (ECLIA) (Competitive)
	52. Neuron-Specific Enolase (NSE)	Electro-Chemiluminescense (ECLIA) (Competitive)
	53. Phenobarbital (Luminal,Gardenal,Kaneuron)	Fluorescence polarization immunoassay
	54. Phenytoin (Epanutin)	Fluorescence polarization immunoassay
	55. Digoxin	Electro-Chemiluminescense (ECLIA) (Competitive)
	56. Valproic Acid (Depakine)	Fluorescence polarization immunoassay
	57. Lithium	Colorimetric method
	58. Free Androgen Index (FAI)	Calculated by TESTO and SHBG
Blood plasma (EDTA)	59. ACTH- Adrenocorticotropic Hormone	Electro-Chemiluminescense (ECLIA) (Competitive)
Blood serum	60. 17-OH Progesterone	Electro-Chemiluminescence (ECLIA) (competitive sandwich type) in SNIBE MAGLUMI X3
	61. D4 - Androstenedione	Electro-Chemiluminescence (ECLIA) (competitive sandwich)
	62. hGH Human Growth Hormone	Electro-Chemiluminescence (ECLIA) (Non-competitive sandwich type)
	63. AMH/MIS Anti-Müllerian hormone	Electro-Chemiluminescence (ECLIA) (Non-competitive sandwich type)
	64. Somatomedin - C / SMC / IGF1	Electro-Chemiluminescence (ECLIA) (Non-competitive sandwich type)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (continued)	65. Vitamin A (Retinol)	Electro-Chemiluminescence (ECLIA) (competitive sandwich)
	66. Vitamin E (a-Tocopherol)	Electro-Chemiluminescence (ECLIA) (competitive sandwich) in HPLC SHIMADZU
	67. Squamous cell carcinoma antigen (SCC)	Double immunolabeling ("sandwich") principle
Blood serum	***Determination of 1 parameter***	***Snibe/Maglumi X3***
	1. Aldosterone	Chemiluminescense (CLIA) (Competitive)
Immunological Tests		
Blood serum	***Determination of 7 parameters***	***Automatic Systmes Cobas Pro Integrated Solutions, C503 (1&2&3), ISE (1&2&3), E801(1&2&3) Roche* Π1/4η/29.11.2023***
	1. Toxoplasma IgM antibodies (Toxo IgM)	Electro-Chemiluminescense (ECLIA) (Competitive)
	2. Cytomegalovirus IgG antibodies (CMV IgG)	Electro-Chemiluminescense (ECLIA) (Competitive)
	3. Cytomegalovirus IgM antibodies (CMV IgM)	Electro-Chemiluminescense (ECLIA) (Competitive)
	4. Antibodies to Rubella virus IgM Ab (Rubella IgM)	Electro-Chemiluminescense (ECLIA) (Competitive)
	5. Antibodies against herpes simplex virus 1 IgG (Herp. 1 IgG)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	6. Antibodies against herpes simplex virus 2 IgG (Herp. 2 IgG)	Electro-Chemiluminescense (ECLIA) (non competitive type of sandwich)
	7. Anti ds - DNA	SNIBE MAGLUMI X3
Hematological Test		
Whole blood (EDTA)	***Determination of 1 parameter***	***TOSOH/HLC-723 G11***
	1. Determination of glycated hemoglobin A1c (HbA1c)	Immunological analysis turbimetric inhibition (TINIA)
Whole blood (EDTA)	***Determination of 1 parameter***	***ROCHE/Sysmex XN- 1000 SA-01 MINDRAY/BC-6200***
	1. Complete Blood Count	Flow cytometry
	White blood cells	
	Red blood cells (RBC)	
	Hemoglobin (HGB)	
	Hematocrit (HCT)	
	Mean erythrocyte volume (MCV)	
	Mean Hb content (MCH)	
	Mean Hb Concentration (MCHC)	
	Platelets (PLT)	
Coagulation Tests		
Blood plasma (Citrate)	***Determination of 7 parameters***	***WERFEN/ACL TOP 350 CTS***
	1. Prothrombin time (PT)	Coagulopathy
	2. Prothrombin time -INR (INR)	Coagulopathy
	3. Activated partial prothrombine time (PTT)	Coagulopathy
	4. Fibrinogen (FIB)	Coagulopathy
	5. Antithrombin III (AT III)	Activity
	6. Protein C	Colorimetric method

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	7. Protein S	Immunoturbidimetric assay
Allergy Tests		
Blood serum	***Determination of 86 parameters***	***SIEMENS/IMMULITE 2000***
	1. f76 Alpha-Lactalbumin	Chemiluminescense (CLIA)
	2. f20 Almond	Chemiluminescense (CLIA)
	3. m6 Altemaria tenuis (altemata)	Chemiluminescense (CLIA)
	4. c50 Ampicillin	Chemiluminescense (CLIA)
	5. w6 Mugwort Sagebrush	Chemiluminescense (CLIA)
	6. m3 Aspergillus fumigatus	Chemiluminescense (CLIA)
	7. f237 Apricot	Chemiluminescense (CLIA)
	8. f77 Beta-Lactoglobulin	Chemiluminescense (CLIA)
	9. g9 Red Top	Chemiluminescense (CLIA)
	10. f18 Brazil Nut	Chemiluminescense (CLIA)
	11. m5 Candida albicans	Chemiluminescense (CLIA)
	12. m2 Cladosporium spp.	Chemiluminescense (CLIA)
	13. t23 Cypress	Chemiluminescense (CLIA)
	14. g2 Bermuda Grass	Chemiluminescense (CLIA)
	15. f158 Cashew-Nut	Chemiluminescense (CLIA)
	16. w10 Lambs quarter,Goosefoot	Chemiluminescense (CLIA)
	17. f3 Codfish	Chemiluminescense (CLIA)
	18. d2 D.farinae	Chemiluminescense (CLIA)
	19. w9 English Plantain	Chemiluminescense (CLIA)
	20. d1 D.pteronyssinus	Chemiluminescense (CLIA)
	21. GX2 (G2-G5-G6-G8-G10-G17)	Chemiluminescense (CLIA)
	22. GX1 (G3,G4,G5,G6,G8)	Chemiluminescense (CLIA)
	23. f17 Hazelnut	Chemiluminescense (CLIA)
	24. f78 Casein	Chemiluminescense (CLIA)
	25. k82 Latex	Chemiluminescense (CLIA)
	26. g5 Perennial Rye Grass	Chemiluminescense (CLIA)
	27. w21 Wall pellitory 1	Chemiluminescense (CLIA)
	28. w19 Parietaria officinalis	Chemiluminescense (CLIA)
	29. g6 Timothy Grass	Chemiluminescense (CLIA)
	30. T14 Cottonwood tree	Chemiluminescense (CLIA)
	31. f13 Peanut	Chemiluminescense (CLIA)
	32. g12 Cultivated Rye	Chemiluminescense (CLIA)
	33. f24 Shrimp	Chemiluminescense (CLIA)
	34. f25 Tomato	Chemiluminescense (CLIA)
	35. g1 Sweet Vernal Grass	Chemiluminescense (CLIA)
	36. F59 Octapus	Chemiluminescense (CLIA)
	37. f1 Egg White	Chemiluminescense (CLIA)
	38. f4 Wheat flour	Chemiluminescense (CLIA)
	39. f2 Milk	Chemiluminescense (CLIA)
	40. f79 Gluten/Gliadin	Chemiluminescense (CLIA)
	41. t9 Olive	Chemiluminescense (CLIA)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood Serum (continued)	42. e1 Cat Epithelia	Chemiluminescense (CLIA)
	43. e2 Dog Hair	Chemiluminescense (CLIA)
	44. f93 Cacao	Chemiluminescense (CLIA)
	45. i6 German Cockroach	Chemiluminescense (CLIA)
	46. f83 Chicken meat	Chemiluminescense (CLIA)
	47. f75 Egg Yolk	Chemiluminescense (CLIA)
	48. i71 Mosquito	Chemiluminescense (CLIA)
	49. i1 Honey Bee Venom	Chemiluminescense (CLIA)
	50. f27 Beef	Chemiluminescense (CLIA)
	51. f92 Banana	Chemiluminescense (CLIA)
	52. c1 Penicilloyl G	Chemiluminescense (CLIA)
	53. Penicilloyl V	Chemiluminescense (CLIA)
	54. t16 White Pine	Chemiluminescense (CLIA)
	55. e5 Dog Dander	Chemiluminescense (CLIA)
	56. f84 Kiwi	Chemiluminescense (CLIA)
	57. MX1 (m1 m2 m3 m5 m6)	Chemiluminescense (CLIA)
	58. f95 Peach	Chemiluminescense (CLIA)
	59. f9 Rice	Chemiluminescense (CLIA)
	60. h1 House Dust Greer	Chemiluminescense (CLIA)
	61. f52 Chocolate	Chemiluminescense (CLIA)
	62. f10 Sesame bruised grain	Chemiluminescense (CLIA)
	63. i3 Wasp Venom	Chemiluminescense (CLIA)
	64. i5 Yello Homet	Chemiluminescense (CLIA)
	65. f258 Squid	Chemiluminescense (CLIA)
	66. f44 Strawberry	Chemiluminescense (CLIA)
	67. t4 Hazelnut	Chemiluminescense (CLIA)
	68. f26 Pork	Chemiluminescense (CLIA)
	69. m1 Penicillium Notatum	Chemiluminescense (CLIA)
	70. FX1 Nut mix 1	Chemiluminescense (CLIA)
	71. i10 Paper Wasp	Chemiluminescense (CLIA)
	72. p1 Ascaris	Chemiluminescense (CLIA)
	73. I2 White-faced wasp	Chemiluminescense (CLIA)
	74. c56 Amoxycillin	Chemiluminescense (CLIA)
	75. f233 nGal d 1 Ovomucoid, Egg	Chemiluminescense (CLIA)
	76. f16 Walnut	Chemiluminescense (CLIA)
	77. f235 Lentil	Chemiluminescense (CLIA)
	78. i75 - European hornet	Chemiluminescense (CLIA)
	79. 2 f309 - Chick Pea	Chemiluminescense (CLIA)
	80. f242 - Cherry	Chemiluminescense (CLIA)
	81. f144 Pistachio nut	Chemiluminescense (CLIA)
	82. sx2 Paprika	Chemiluminescense (CLIA)
	83. s7 Black Pepper	Chemiluminescense (CLIA)
	84. f201 Pecan nut	Chemiluminescense (CLIA)
	85. p4 Anisakis	Chemiluminescense (CLIA)
	86. f232 nGal d 2 Ovalbumin, Egg	Chemiluminescense (CLIA)

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	Determination of 5 parameters	***AZBIL TELSTAR Technologies S.L.U/BioII Advanced Plus 4*** ***MagCore/MagCore Plus II Automated Nucleic Acid Extractor*** ***Sacace/SaCYCLER-96***
Whole blood (EDTA)	1. Detection of the FII mutation (Prothrombin G20210A)	Real Time PCR KIT FII PROTHROMBIN (G20210A) SNP SCREEN SACACE BIOTECHNOLOGIES
	2. Detection of the FV mutation (LEIDEN G1691A)	Real Time PCR KIT FV (G1691A) SNP LEIDEN SCREEN SACACE BIOTECHNOLOGIES
	3. Detection of the MTHFR mutation (A1298C)	Real Time PCR KIT MTHFR (A1298C) SNP SCREEN SACACE BIOTECHNOLOGIES
	4. Detection of the MTHFR mutation (C677T)	Real Time PCR KIT MTHFR (C677T) SNP SCREEN SACACE BIOTECHNOLOGIES
	5. Detection of the APOE mutation (E2,E3,E4)	Real Time PCR KIT GB GENETIC APOE GENERI BIOTECH
	Determination of 2 parameters	***AZBIL TELSTAR Technologies S.L.U/BioII Advanced Plus 4*** ***MagCore/MagCore Plus II Automated Nucleic Acid Extractor*** ***Sacace/SaCYCLER-96***
Whole blood (EDTA)	6. Detection of the HLA-B27 Histocompatibility Antigen allele	Real Time PCR KIT HLA B27 REAL TIME PCR KIT- SNP BIOTECHNOLOGY
Blood plasma (EDTA)	7. Detection and Quantification of Hepatitis B Virus (HBV)	Real Time Quantitative PCR HBC REA-TM QUANT DX KIT-SACACE BIOTECHNOLOGIES
	Determination of 3 parameters	***AZBIL TELSTAR Technologies S.L.U/BioII Advanced Plus 4*** ***MagCore/MagCore Plus II Automated Nucleic Acid Extractor*** ***Sacace/SaCYCLER-96***
Blood plasma (EDTA)	8. Detection and Quantification of Hepatitis C Virus (HCV)	Reverse Transcription/Real Time Quantitative PCR
Smear or urine or semen	9. Detection of Chlamydia trachomatis	Real Time PCR KIT N.GONORRHOEAE/ C.TRACHOMATIS/M. GENITALIUM/ T. VAGINALIS REAL TM KIT-SACACE BIOTECHNOLOGIES
	10. Detection of Chlamydia trachomatis- Neisseria Gonorroeae	Real Time PCR KIT N.GONORRHOEAE/ C.TRACHOMATIS/M. GENITALIUM/ T. VAGINALIS REAL TM KIT-SACACE BIOTECHNOLOGIES
	Determination of 1 parameter	***AZBIL TELSTAR Technologies S.L.U/BioII Advanced Plus 4*** ***Illumina/ISeq tm 100*** ***Qiagoen/ QIAamplifier 96*** ***Thermo Fischer Scientific/ Flurometer Qubit tm4*** ***MagCore/MagCore Plus II Automated Nucleic Acid Extractor***
Whole blood (EDTA)	11. Detection of CFTR gene mutations (Cystic Fibrosis)	PCR&Sequencing(NGS) KIT DYVESER CFTR

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	Determination of 1 parameter	
CERVICAL liquid phase cytology sample or URETHRAL or SEMEN + FIRST DROPS of first morning urination	Detection and typing of HPV 29 high, intermediate and low risk strains: 16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 67, 68, 69, 70, 73, 82, 6, 11, 40, 42, 43, 44, 54, 61	**Bio II Advanced Plus 4** **Automated Nucleic Acid Extraction System Mole 32M** **CFX96 Optics Module**
	Determination of 1 parameter	
VAGINAL liquid phase cytology sample or URETHRAL or SEMEN or URINE	**STD pathogens panel 14 fixed** 1. Chlamydia trachomatis 2. Ureaplasma parvum 3. Trichomonas vaginalis 4. Mycoplasma genitalium 5. Mycoplasma hominis 6. Neisseria gonorrhoeae 7. Ureaplasma urealyticum 8. Haemophilus ducreyi 9. Gardnerella vaginalis 10. Candida albicans 11. Treponema pallidum Viruses 12. Herpes simplex virus 1 13. Herpes simplex virus 2 14. Group B streptococci	**Bio II Advanced Plus 4** **MagCore Plus II Automated Nucleic Acid Extractor** **CFX96 Optics Module**
	Determination of 1 parameter	
Whole blood (EDTA)	**Molecular Thrombophilia Panel 13** 1. Prothrombin FII (G20210A) 2. FV LEIDEN G1691A 3. FVR2 (H1299R) 4. FXIII (V34L mutation) 5. MTHFR (C677T homocysteine mutation) 6. MTHFR (A1298C homocysteine mutation) 7. GPIa C807T mutation (HPA5) 8. GPIIIa - Fibrinogen Receptor (HPA-1) Glycoprotein (GPIIIa 1565 T/C Polymorphism) 9. Polymorphism - 675 5G/4G Plasminogen Activator Inhibitor (PAI)-1 mutation 10. Apolipoprotein genotyping (T112C mutation and T158C mutation) 11. Apolipoprotein B (R3500Q) 12. Angiotensin I-like converting enzyme (ACE, insertion/deficiency (I/D) polymorphism) 13. β-fibrinogen (-455 G>A mutation)	**Bio II Advanced Plus 4** **MagCore Plus II Automated Nucleic Acid Extractor** **QIAamplifier 96** **DYNA-BLOT HEAT**

**Reference to the commercial name of a specific analyzer/kit, refers to a specific analytical method and protocol*
***IFCC: International Federation of Clinical Chemistry*
****DGKC: Deutsche Geselschaft fur Klinusche Chemie*

Site of assessment: **Laboratory permanent premises, 7 Giannopoulou str, Neo Faliro Piraeus, Greece.**
Approved signatories: **Kontaxi Sofia**.

This Scope of Accreditation replaces the previous one dated 02.07.2026.
The Accreditation Certificate No. **1302**-3 to ELOT EN ISO 15189:2022, is valid until 13.07.2031.

Athens, 16th of September 2026

Konstantinou Evangelos Apostolos
CEO of ESYD