HELLENIC ACCREDITATION SYSTEM

Annex G1/16 to the Certificate No. **888**-6

SCOPE of ACCREDITATION

of the

Clinical Laboratory

of

BIOTYPOS, Private Diagnostic Center, Medical S.A.

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Biochemical Tests		
1.Blood serum	**Determination of 39 parameters**	**Automated Biochemical Analyzer Atellica CH 930, SIEMENS* F-616-1/vE-27/05/2026**
	1. Glucose	Enzymatic hexokinase
	2. Calcium	Colorimetric Arsenazo III
	3. Phosphate	Colorimetric UV- phosphomolybdate
	4. Albumin	Colorimetric Bromocresolgreen (BCG)
	5. Total protein	ColorimetricBiuret
	6. Urea	Enzymatic / colorimetric UV-urease
	7. Creatinine	Enzymatic / colorimetric Jaffe, alkaline picrate, kinetic with blank rate correction
	8. Uric acid	Enzymatic / colorimetric Uricasecolorimetric
	9. Magnesium	ColorimetricXylidylblue
	10. Total Bilirubin	ColorimetricVanadate Oxidation
	11. Iron	ColorimetricFerrozine
	12. Total Cholesterol	Enzymatic
	13. HDL-Cholesterol	Elimination/catalase
	14. Triglycerides	GPO, Trinder without serum blank
	15. Amylase	Ethylidene Blocked-pNPG7
	16. Gamma-Glutamyltransferase (γ-GT)	Enzymatic / colorimetric ** Modified IFCC
	17. Creatine kinase (CPK)	Enzymatic / colorimetric NAC Activated, **IFCC
	18. Alanine Aminotransferase ALT/SGPT	**IFCC modified, enzymatic

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (cont.)	19. Aspartate Aminotransferase AST/GOT	
	20. Alkaline phosphatase	Atellica CH Alkaline Phosphatase, Concentrated (ALP_2c) (p-NPP)
	21. LDH	Atellica CH Lactate Dehydrogenase L-P (LDLP) (NAD)
	22. ASTO	Atellica CH Anti-Streptolysin-O_2 (ASO_2) PEG
	23. CRP	Atellica CH Wide Range C-Reactive Protein rCRP: Latex particles coated with CRP-specific antibodies. PEG-enhanced immunoturbidimetric assay.
	24. Sodium	Indirect Ion Selective Electrode ISE
	25. Potassium	
	26. Total globulin	Calculated
	27. Total lipid	
	28. 24. VLDL cholesterol	
	29. LDL Cholesterol	
	30. Total Chol/HDL Chol	
	31. Rheumatoid Factor (RF)	Latex-enhanced immunoturbidimetric
	32. Direct Bilirubin	Vanadate oxidation
	33. Indirect Bilirubin	Calculated
	34. Chlorides	Indirect Potentiometric - ISE
2. Blood Serum, Blood plasma	35. Immunoglobulin IgG	PEG-enhanced immunoturbidimetric
	36. Immunoglobulin IgM	
	37. Immunoglobulin IgA	
	38. Supplement C3	
	39. Supplement C4	
Immunochemical Tests		
1. Blood serum	**Determination of 25 parameters**	**Automated Immunochemical Chemiluminescence Analyzer Atellica IM 1600, SIEMENS* F-616-1/vE-27/05/2026**
	1. CarcinoembryonicAntigen (CEA)	Direct chemiluminescence with paramagnetic microparticles
	2. Cancer Antigen 125 (CA125)	
	3. Cancer Antigen 15-3 (CA15-3)	
	4. Cancer Antigen 19-9 (CA19-9)	
	5. Prostate Specific Antigen (PSA)	

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Blood serum (cont.)	6. Free Prostate Specific Antigen (FPSA)	
	7. Ferritin	
	8. Thyroid-stimulating hormone (TSH)	
	9. Free Triiodothyronine (FT3)	
	10. Free Thyroxine (FT4)	
	11. Vitamin B12	
	12. Folate	
	13. Cortisol	
	14. β-Human Chorionic Gonadotropine (β-HCG)	
	15. Total Triiodothyronine (T3)	
	16. Total Thyroxine T4	
	17. Follicle Stimulating Hormone(FSH)	
	18. Luteinizing Hormone(LH)	
	19. Estradiol (E2)	
	20. Progesterone (PRG)	
	21. Testosterone total	
	22. Prolactin (PRL)	
	23. Insulin	Atellica IM Insulin (IRI) Direct chemiluminescence with paramagnetic microparticles
	24. IgE	Atellica IM Total IgE (tIgE) Direct chemiluminescence with paramagnetic microparticles
	25. Δ4-Androstenedione	Atellica IM Androstenedione (ANDRO) Direct chemiluminescence with paramagnetic microparticles
Hematological Tests		
1. Whole Blood (anticoagulant EDTA)	**Determination of 10 parameters**	**Automated Hematology Analyzer ADVIA 2120i, SIEMENS* F-616-1/vE-27/05/2026**
	1. Hematocrit (HCT)	Calculated: % = RBC x MCV/10
	2. Haemoglobin (HGB)	Photometric
	3. White blood cells (WBC)	Laser Light scattering
	4. Red blood cells (RBC)	
	5. Platelets (PLTs)	

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
1. Whole Blood (anticoagulant EDTA) (cont.)	6. Mean corpuscular volume (MCV)	
	7. Mean corpuscular haemoglobin (MCH)	Calculated: HBG / RBC
	8. Mean cell haemoglobin concentration (MCHC)	Calculated: (HBG / RBC) x MCV
	9. Red blood cell distribution width (RDW)	Laser Light scattering
	10. Mean platelet volume (MPV)	
2. Whole Blood (K2EDTA or K3EDTA)	**Determination of 2 parameters**	**Analyzer CAPILLARYS 3 TERA* F-616-1/vE-27/05/2026**
	1. Glycozylated Hemoglobin HbA1C	Capillary electrophoresis
	2. eAG	Calculated
3. Whole Blood (Sodium Citrate)	**Determination of 3 parameters**	**Analyzer BCS, SIEMENS* F-616-1/vE-27/05/2026**
	1. PT-INR	Coagulometric
	2. Fibrinogen (FIB)	Coagulometric
	3. a-PTT	Coagulometric
4. Blood Plasma (K2 EDTA or K3 EDTA)/ Serum	**Determination of 1 parameter**	**Analyzer GeneXpert IV F-616-1/vE-27/05/2026**
	1. HBV viral Load Hepatitis B viral load	Quantitative Real Time PCR
5. Whole Blood (Sodium Citrate)	**Determination of 1 parameter**	**MIX-RATE X20 Analyzer F-616-1/vE-27/05/2026**
	1. Erythrocyte Sedimentation Rate (ESR)	Infrared Technology with Westergren-Based Methods
Urine Tests		
	Determination of 10 parameters	**URIT UC-58 Stick Analyzer F-616-1/vE-27/05/2026**
1. Urine	1. Bilirubin	Diazo Reaction
	2. Hemoglobin	Peroxidase Reaction
	3. Glucose	Glucose Oxidase / Peroxidase Enzymatic Method
	4. Ketones	Legal Test
	5. Leukocytes	Leukocyte Esterase Enzymatic Method

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
1. Urine (cont.)	6. pH	Chemical pH Indicators (5.0–8.5)
	7. Protein	Protein Error of pH Indicator Principle
	8. Nitrites	Griess Reaction
	9. Urobilinogen	Ehrlich Reaction
	10. Specific Gravity	Polyelectrolyte Color Change Method using Bromothymol Blue Indicator
	Determination of 2 parameters	**Olympus CX41 Microscope F-616-1/vE-27/05/2026**
	1. Pus Cells (Leukocytes)	Direct Microscopy
	2. Red Blood Cells (RBCs)	Direct Microscopy
Imaging testing		
Imaging testing-Computed tomography scanner	**Determination of 40 parameter**	**Siemens Go.TOP 128T S/N 181726 F704-1/A 07/03/2024**
	1 Computed tomography of the brain	CT 01.1
	2 Computed tomography of the facial bones	CT 01.2
	3 Computed tomography of the temporal bones	CT 01.3
	4 Computed tomography of the orbits	CT 01.4
	5 Computed tomography of the neck	CT 02.1
	6 CT scan of the cervical spine	CT 03.1
	7 CT scan of the thoracic spine	CT 03.2
	8 CT scan of the lumbar spine	CT 03.3
	9 CT scan of the pelvis and hips	CT 03.4
	10 CT scan of the hip	CT 03.5
	11 CT scan of the femur	CT 04.1
	12 CT scan of the tibia	CT 04.2
	13 CT scan of the ankle	CT 04.3
	14 CT scan of the foot	CT 04.4
	15 CT scan of the knee	CT 04.5
	16 CT scan of the shoulder	CT 05.1
	17 CT scan of the humerus	CT 05.3
	18 CT scan of the elbow	CT 05.4

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Imaging testing-Computed tomography scanner (cont.)	19 CT scan of the forearm	CT 05.5
	20 CT scan of the wrist	CT 05.6
	21 CT scan of the hand	CT 05.7
	22 High-resolution CT scan of the chest	CT 06.1
	23 CT scan of the chest	CT 06.2
	24 Low-dose CT scan of the chest	CT 06.3
	25 CT scan of the upper abdomen	CT 07.1
	26 CT scan of the lower abdomen	CT 07.2
	27 CT scan of the retroperitoneum	CT 07.3
	28 CT scan of the adrenal glands	CT 07.4
	29 CT angiography of the brain	CT 08.1
	30 CT angiography of the thoracic aorta	CT 08.3
	31 CT angiography of the abdominal aorta	CT 08.4
	32 CT angiography of the pulmonary arteries	CT 08.5
	33 CT angiography of the upper limbs	CT 08.6
	34 CT angiography of the lower limbs	CT 08.7
	35 CT pyelography	CT 08.9
	36 CT scan for axis measurement	CT 09.1
	37 CT calcium scoring	CT 09.2
	38 CT coronary angiography	CT 09.3
	39 CT angiography of the neck and carotids	CT 08.2
	40 CT angiography of the renal arteries	CT 08.8
Imaging- Magnetic Resonance Imaging scanner	**Determination of 53 parameter**	**Siemens Magnetom Aera 1,5T S/N 41575 F704-1/A 07/03/2024**
	1 Brain MRI	MR 01.1
	2 Brain MRA	MR 01.2
	3 MRI of petrous bones	MR 01.3
	4 MRI of the orbits	MR 01.4
	5 MRI of the facial skull	MR 01.5
	6 Pituitary MRI	MR 01.6
	7 Cervical spine MRI	MR 02.1
	8 Thoracic spine MRI	MR 02.2
	9 Lumbar spine MRI	MR 02.3
	10 MRI of sacroiliac joints	MR 02.4
	11 Pelvis and hips MRI	MR 02.5
	12 Chest MRI	MR 03.1

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Imaging- Magnetic Resonance Imaging scanner (cont.)	13 MRA of thoracic aorta	MR 03.2
	14 Thigh MRI right	MR 04.1A
	15 Thigh MRI left	MR 04.1B
	16 Lower leg MRI right	MR 04.2A
	17 Lower leg MRI left	MR 04.2B
	18 Knee MRI right	MR 04.3A
	19 Knee MRI left	MR 04.3B
	20 Ankle MRI right	MR 04.4A
	21 Ankle MRI left	MR 04.4B
	22 Foot MRI right	MR 04.5A
	23 Foot MRI left	MR 04.5B
	24 Neck MRI	MR 05.1
	25 MRA of the neck	MR 05.2
	26 Shoulder MRI right	MR 06.1A
	27 Shoulder MRI left	MR 06.1B
	28 Forearm MRI right	MR 06.2A
	29 Forearm MRI left	MR 06.2B
	30 Elbow MRI right	MR 06.3A
	31 Elbow MRI left	MR 06.3B
	32 Humerus MRI right	MR 06.4A
	33 Humerus MRI left	MR 06.4B
	34 Wrist MRI right	MR 06.5A
	35 Wrist MRI left	MR 06.5B
	36 Hand MRI right	MR 06.6A
	37 Hand MRI left	MR 06.6B
	38 Brachial plexus MRI	MR 06.7
	39 Upper abdomen MRI	MR 07.1
	40 Scrotum MRI	MR 07.10
	41 Endometrium MRI	MR 07.11
	42 Lower abdomen MRI	MR 07.2
	43 Retroperitoneal MRI	MR 07.3
	44 MRCP (Magnetic Resonance Cholangiopancreatography)	MR 07.4
	45 Multiparametric prostate MRI	MR 07.5
	46 MR Enterography	MR 07.6
	47 Abdominal aorta MRA	MR 07.7
	48 Rectal MRI	MR 07.8

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Imaging- Magnetic Resonance Imaging scanner (cont.)	49 Fistula MRI	MR 07.9
	50 Breast MRI	MR 08.1
	51 Cardiac MRI	MR 09.1
	52 Upper limb MRA	MR 10.1
	53 Lower limb MRA	MR 10.2

**Reference to the commercial name of a specific analyzer refers to a specific analytical method and protocol*
********IFCC: International Federation of Clinical Chemistry*

Site of assessment:
Laboratory permanent premises:
13, Pentelis av., 15233, Chalandri, Attiki, Greece.
Primary sample collection site: 13, Pentelis av., 15233, Chalandri, Attiki, Greece.
Branches – Primary sample collection site:

Biotypos Chalandri (branch)	**16 Pentelis Av., 15233**
Biotypos Holargos	**39 Perikleous Av., 15561**
Biotypos Holargos (branch)	**39 Perikleous Av., 15561**
Biotypos Melissia	**Andrea Papandreou 2 & Serifou 2, 15127**
Biotypos Aigaleo	**281 Iera Odos & 1 Averof, 12244**
Biotypos Pagkrati	**Imittou 112, 11634**
Biotypos Ilion	**493 Thivon Ave., 13123**

Approved Signatories:
G. Chronas, I. Anagnostakis, D. Archontakis, M.T. Vozoris, G. Kalogiannakis, I. Kouseris, A. Lymperi, I. Markou, V.Z. Mitrai, P. Dokou, K.D. Papavasileiou, E. Ploumi, M. Zioga, K. Zarokostas, S. Ioannidou, I. Tziona, Ch. Tsimpani, I. Tsouma, K.-S. Chatzigeorgiou, A. Christoforaki. Approved Signatories (Radiologists):
I. Papachristos, A. Zourla.

This Scope of Accreditation replaces the previous one dated 29.06.2026.
The Accreditation Certificate No. **888**-6, to ELOT EN ISO 15189:2022, is valid until **03.10.2030**.

Athens, 30th of September 2026

Konstantinou Evangelos Apostolos
CEO of ESYD