Hellenic Accreditation System

Annex G1/1 to the Certificate No.1246

SCOPE of ACCREDITATION

of the

Clinical Laboratory

of

EUROCLINIC OF ATHENS

GENERAL CLINIC, DIAGNOSTIC TREATMENT, SURGICAL CENTER

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
Biochemical Tests		
Blood serum	**Determination of 22 parameters**	**Automated biochemical analyzer Cobas c 501** 16301-9 **; Cobas c 501** 16301-11 **Roche*** EYP-BIO-Δ04.05 01-05-2017
	1. Albumin (ALB)	Colorimetric method BROMOCRESOL GREEN
	2. Alkaline phosphatase (ALP)	Colorimetric method IFCC**
	3. Serum glutamic-pyruvic transaminase (SGPT)	Colorimetric UV method IFCC** without P-S-P
	4. Serum glutamic-oxaloacetic transaminase (SGOT)	Colorimetric UV method IFCC** without P-S-P
	5. Gamma-glutamyl transferase (γ-GT)	Enzymatic / Chromatometric method to IFCC** SZASZ
	6. Amylase (AMYL)	Enzymatic / Chromatometric assay acc. to IFCC**
	7. Bilirubin Total (T-BIL)	Colorimetric diazo method
	8. Biluribin Direct (D-BIL)	Colorimetric diazo method
	9. Calcium (CA)	Colorimetric method NM- BAPTA
	10. Total Cholesterol (CHOL)	Enzymatic reaction CHOD –PAP
	11. Creatinine kinase (CK)	Colorimetric method UV NAC activated IFCC**
	12.Creatinine (CREJ)	Kinetic / Colorimetric Jaffé method
	13. Total Protein (TP)	Colorimetric assay BIURET
	14. Uric Acid (UA)	Enzymatic / Colorimetric reaction URICASE

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
Blood serum (continued)	15. Glucose (GLUC)	Enzymatic reference method with HEXOKINASE
	16. HDL	Homogeneous, enzymatic, colorimetric
	17. Iron (IRON)	Colorimetric method FERROZINE
	18. Lactate dehydrogenase (LDH)	Colorimetric method UV optimized IFCC**
	19. Magnesium (MG)	Colorimetric endpoint method XYLIDIL BLUE
	20.Phosphorus (PHOS)	Colorimetric method UV PHOSPHOMOLYBDATE
	21.Triglycerides (TRIGL)	Enzymatic / Colorimetric GPO-PAP
	22 . Urea (UREA)	Kinetic test UREASE-GLDH
Hematological Tests		
Whole blood (EDTA)	**Determination of 9 parameters**	**Automated analyzer Sysmex xt 2000i ; Sysmex xt 1800i*** EYP-BIO-Δ04.02 01-05-2017
	1. White Blood Cells (WBC)	Flow Cytometry method (which employs a semiconductor laser)
	2. Red Blood Cells (RBC)	Hydrodynamic Focusing (DC Detection)
	3. Hemoglobin (HGB)	SLS metyod, Photometry
	4. Hematocrit (HCT)	Hydrodynamic Focusing (DC Detection)
	5. Mean Cell Volume (MCV)	Calculated based on specific equation (DC Detection)
	6. Mean Cell Hemoglobin (MCH)	Calculated based on specific equation (DC Detection)
	7. Mean corpuscular hemoglobin concentration (MCHC)	Calculated based on specific equation (DC Detection)
	8. Platelets (PLTs)	Hydrodynamic Focusing (DC Detection)
	9.Reticulocyte	Flow cytometry with fluorescence
Immunochemical Tests		
Blood serum	**Determination of 11 parameters**	**Automated analyzer Cobas e 601** 16301-9 **Roche*** EYP-BIO-Δ04.05 01-05-2017
	1. Thyrotropin Hormone (TSH)	Electro Chemiluminescense Immuno Assay (ECLIA)
	2. Triidothyronine (T3)	
	3. Thyroxin (T4)	
	4. Free Triidothyronine (Free-T3)	
	5. Free Thyroxin (Free-T4)	
	6 Ferritin	

Materials/Products tested	Types of test/Properties measured	Applied methods/Techniques used
Blood serum (continued)	7. CKMB	
	8. Troponin T High Sensitivity	
	9. Total prostate-specific Antigen (Total-PSA)	
	10. Vitamin B12	
	11. Insulin	
	Determination of 9 parameters	**Automated analyzer Cobas e 411** 17916-4 **Roche*** EYP-BIO-Δ04.05 01-05-2017
	1. Carcinoembryonic antigen (CEA)	Electro Chemiluminescense Immuno Assay (ECLIA)
	2. Cancer antigen 19-9 (Ca 19-9)	
	3. Cancer antigen 15-3 (Ca 15-3)	
	4. Cancer antigen 125 (Ca 125)	
	5. β-HumanChorionicGonadotropin (β-HCG)	
	6. Free Prostate Specific Antigen (Free-PSA)	
	7. Cortisol	
	8. Prolactin (PRL)	

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

Site of assessment: **Permanent laboratory premises, EUROCLINIC OF ATHENS, GENERAL CLINIC, DIAGNOSTIC TREATMENT, SURGICAL CENTER, Athanasiadou 7-9 , 11521 Athens, Greece.**

Approved signatories: **Ch. Vossou, A. Kouki.**

The Accreditation Certificate No.1246, to ELOT EN ISO 15189:2012, is valid until 11.04.2025.

Athens, April 12, 2021

Spyridon Podaras
CEO of ESYD