Hellenic Accreditation System

Annex G1/1 to the Certificate No. 1208

SCOPE of ACCREDITATION

of the

Hematology Laboratory

of the

Elefsina General Hospital "THRIASIO"

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Hematological testing		
1. Whole Blood (EDTA)	**Determination of 10 parameters**	**Automated Hematology Analyzers LH 780 COULTER (1), (2)*** DILUENT Ref 8547194 (RBC, Hb,Ht,PLT,WBC) LYSE Ref 848177 8448155 (Hb,WBC) PAK LH Ref8547195 (WBC) Δ.530, 1η, 1-10-18
	1. White blood cells (WBC)	By volume analysis
	2. Red blood cells (RBC)	By volume analysis
	3. Hemoglobin (HGB)	Photometry with Cyanomethhemoglobin
	4. Hematocrit (HCT%)	Computational method
	5. Mean Corpuscular Volume (MCV)	By volume analysis
	6. Mean Corpuscular Hemoglobin (MCH)	Computational method
	7. Mean Corpuscular Hemoglobin Concentration (MCHC)	Computational method
	8. Red Cell Distribution Width (RDW-CV)	Computational method
	9. Platelets (PLTs)	By volume analysis
	10. Mean volume of platelets (MPV)	Computational method

Tested materials/ products	Types of test/ Properties to be measured	Applied Standards/ Techniques to be used
Whole Blood (EDTA) (continued)	**Determination of 2 parameters**	**Automated Analyzer HPLC D-10 BIORAD*** Δ.530, 1η, 1-10-18
	1. Determination of glycosylated hemoglobin HbA1C	High-performance liquid chromatography (HPLC), Ref. 220-0212
	2. Hemoglobin electrophoresis	High-performance liquid chromatography (HPLC), Ref. 220-0212, E.510-3
2. Blood plasma	**Determination of 5 parameters**	**Automated Coagulation Analyzers BCS XP SIEMENS (1), (2)*** Δ.530, 1η, 1-10-18
	1. Prothrombin time (PT)	Clot-based assay, Ref. OUHPG-29E3402
	2. INR (International Normalized Ratio)	Clot-based assay, Ref. OUHPG29E3402
	3. Activated Partial Thromboplastin Time (APTT)	Clot-based assay, Ref. ORGSG29E3401
	4. Fibrinogen (FIB)	Clot-based assay, Ref. OWZGG15E3401
	5. DDimers (DD)	Immunoturbidimetric assay, Ref. OPBPG03C3401
	Determination of 5 parameters	**Automated Coagulation Analyzer BCS XP SIEMENS (2)*** Δ.530, 1η, 1-10-18
	1. Antithrombin (AT III)	Chromogenic, Ref.OWNRG17E3401
	2. Πρωτεΐνη C	Chromogenic, Ref.OUWE15E3402
	3. Free Protein S	Clot-based assay, Ref.OPAPG03E3402
	4. APC-R	Clot-based assay, Ref. OQLSG13C3401 (APCR) ORSMG19C0503 (1916) (FACTOR V)
	5. Lupus Anticoagulant	Clot-based assay, Ref. OQGPG17C3402

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

Site of assessment: **Laboratory permanent premises: G. Gennimatas Avenue, Magoula Attica, Greece.**
Approved signatories**: P. Georgoutsou, A. Skourbouti, E. Papakonstantinou, A. Lakoumenda, A. Lavda, E. Christodoulaki**

The Accreditation Certificate No.1208, to ELOT EN ISO 15189:2012, is valid until 03.06.2024.

Athens, June 04, 2020

Spyridon Podaras
CEO of ESYD