Hellenic Accreditation System

HELLENIC ACCREDITATION SYSTEM

Annex F1/22 to the Certificate No. **550**-6

SCOPE of ACCREDITATION

of the

Department of Public Health
of
Medical School, University of Patras

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
Microbiological Tests		
1. Potable, surface, swimming pools and sea water	1. Detection and enumeration of total coliforms and *Escherichia coli*	ISO 9308-1:2014
	2. Detection and enumeration of intestinal enterococci	ISO 7899-2:2000
2. Potable, surface, and swimming pool water	1. Enumeration of *Pseudomonas aeruginosa*	ISO 16266:2006
	2. Enumeration of total aerobic microorganisms at 22 ± 2 ºC and 36 ± 2 ºC	ISO 6222:1999
	3. Detection and enumeration of *Cl. perfringens*	ISO 14189:2013
3. Water matrix A (Potable and swimming pool water) Water matrix B (water from cooling tower, processed waters	Enumeration of Legionella spp.	ISO 11731:2017 (proecdure 5,7 and 8,9,10 for matrix A) (procedure 8,9,10 for matrix B)
4. Legionella isolated from waters from matrix A and B	Serotyping of following species Legionella spp. (L. pneumophila serogroup 1, L. Pneumophila serogroup 2-14)	Legionella latex test OXOID DR0800M.
5. Foodstuffs and animal feeding stuffs	1. Enumeration of coagulase positive *staphylococcus*	ISO 6888-1:2021
	2. Enumeration of β-glucoronidase	ISO 16649-2:2001

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	positive *Escherichia coli*	
	3. Detection and Enumeration of *enterobacteriaceae*	ISO 21528-2:2017
6. Foodstuffs	1. Detection of Salmonella spp. except of S. typhi και paratyphi	ISO 6579-1:2017
	2. Detection of Listeria monocytogenes	ISO 11290-1:2017
7. Water for hemodialysis and relevant treatments	Detection of Bacterial Endotoxins(LAL test)	European Pharmacopoeia11nd Ed, chap. 2.6.14, Bacterial Endotoxins, Gel Clot Technique, Method A
Chemical Tests		
1. Potable and surface water	1. Determination of concentration of Nitrites	Method Code: Method APHA 4500-NO_2^-B.
	2. Determination of concentration of ammoniacal nitrogen	Method Code: Method based on ASTM D1426:15
2. Potable, surface and wastewater	Determination of concentration of metals (Copper, Cadmium, Lead, Chromium, Manganese, Nickel, Arsenic)	Method Code: Method APHA 3113B.
3. Surface, industrial and waste water	1. Determination of Hydrogen ion (pH)	Method Code: Method APHA 4500-H^+ B
	2. Determination of Conductivity	Method Code: Method APHA 2510
	3. Determination of Turbidity	Method Code: Method APHA 2130 B
4. Wastewater	Determination of Chemical Oxygen Demand	Closed Reflux, Colorimetric Method APHA 5220 D
Molecular Tests		
1. Potable and Surface water	Detection and quantitation of adenoviruses, noroviruses and the virus of hepatitis A	In house TaqMan Real-Time PCR method, Stratagene Mx3005P, based on protocols of European Environmental Virology Program VIROCLIME
2. Foodstuffs	1. Detection and quantitation of adenoviruses	In house TaqMan Real-Time PCR method, Stratagene Mx3005P, based on protocols of European Foodstuff Virology Program VITAL and ISO/TC 34/SC 9 N 1065, CEN/TC 275/WG 6 N465 method
2. Foodstuffs (continued)	2. Detection and quantitation of noroviruses and the virus of hepatitis	ISO / TS 15216-1: 2017 /A1:2021, Stratagene Mx3005P/ Agilent AriaMx

Materials / Products tested	Types of test / Properties measured	Applied methods / Techniques used
	A	
3. Wastewater	Detection and quantitation of SARS-COV-2 RNA	In house concentration and RNA isolation method using Wizard Enviro Total Nucleic Acid kit (Promega) and One Step RT-qPCR, Stratagene Mx3005P. Protocol developed by the NPHO laboratory network for the epidemiological surveillance of urban wastewater.
4. Indoor Air (sampling not included)	Detection and quantitation of RNA from the SARS-COV-2, RSV and FluA viruses	In house concentration and RNA isolation method using QIAamp Viral RNA Mini Kit and One Step RT-qPCR, Agilent AriaMx

Site of assessment: **Laboratory permanent premises, Department of Public Health, Medical School, University of Patras, 26500 Greece**
Approved signatories: **Microbiological and Molecular tests: Prof. Apostolos Vantarakis, Chemical tests: Asst. Prof. Eleni Sazakli, Emer. Prof. Mic. Leotsinidis**

This scope of Accreditation replaces the previous one, dated 30.04.2026.
The Accreditation Certificate No. **550**-6, according to ELOT EN ISO/IEC 17025:2017, has been renewed until 18.05.2030.

Athens, 19th of June 2026

Konstantinou Evangelos Apostolos
CEO of ESYD