Hellenic Accreditation System

Annex F1A/22 to the Certificate No. **1**-7

SCOPE of ACCREDITATION

of the

Doping Control Laboratory of National Center for Scientific Research (NCSR) "Demokritos"

Substance class[a]	Method	Purpose of the method (ITP, CP, QP)*	Matrix[b]	Analytical technique(s)	Sample preparation principle	Type of method *(standard or lab-developed)*	Type of Scope *(flexible[c] or fixed)*
All	Pre-analytical procedures. Determination of pH	ITP, CP	Human Urine[b]	physico-chemical analysis	-	lab-developed	fixed
All	Pre-analytical procedures. Determination of Specific Gravity	ITP, CP	Human Urine[b]	Refractometry	-	lab-developed	fixed
S1, S3, S4, S5, S6, S7, S8	Determination of prohibited substances and quantification of steroid profile parameters for **Initial Testing** by GC-MS/MS	ITP, ~~CP~~ QP *for steroid profile*	Human Urine[b]	GC-MS/MS	Enzymatic hydrolysis, liquid-liquid extraction (LLE), derivatization	lab-developed	flexible
S1, S2, S3, S4, S5, S6, S7, S8, S9, P1	Determination of prohibited substances for **Initial Testing** by LC-QTOF, UHPLC-Orbitrap MS/MS	ITP	Human Urine[b]	LC-QTOF, UHPLC-Orbitrap MS/MS	Dilute and shoot, enzymatic hydrolysis, liquid-liquid extraction (LLE)	lab-developed	flexible
S2, S5	Determination of low molecular	ITP	Human	LC-QTOF	Dilute and shoot,	lab-developed	flexible

Substance class[a]	Method	Purpose of the method (ITP, CP, QP)*	Matrix[b]	Analytical technique(s)	Sample preparation principle	Type of method *(standard or lab-developed)*	Type of Scope *(flexible[c] or fixed)*
	weight peptides (MW < 1500) for Initial Testing by LC-QTOF		Urine[b]		solid phase extraction (SPE)		
S1, S2, S3, S4, S5, S6, S7, S8, S9, P1	Determination of prohibited non-threshold substances for **Confirmation Testing** by GC-MS/MS, LC-QTOF, UHPLC-Orbitrap MS/MS	CP	Human Urine[b]	GC-MS/MS LC-QTOF, UHPLC-Orbitrap MS/MS	Dilute and shoot, enzymatic hydrolysis, liquid-liquid extraction (LLE), solid phase extraction (SPE), derivatization	lab-developed	flexible
S2	Identification of erythropoietin (EPO) and other EPO-receptor agonists (ERAs) for Initial ~~and~~ Testing	ITP, ~~CP~~	Human Urine[b]	Gel electrophoresis SAR-PAGE Immunoblotting	Immunopurification, ultrafiltration	lab-developed	fixed
S1	Determination of the isotope ratio $\delta^{13}C$ of : androsterone, etiocholanolone, 5α-androstandiol, 5β-androstandiol, 11-keto-etiocholanolone, testosterone, epitestosterone, pregnanediol	CP, QP	Human Urine[b]	GC/C/IRMS	Enzymatic hydrolysis, liquid-liquid extraction (LLE), solid phase extraction (SPE), derivatization	lab-developed	flexible
S7	Identification and quantification of morphine by GC-MS/MS for Confirmation/Quantification Testing	CP, QP	Human Urine[b]	GC-MS/MS	Enzymatic hydrolysis, liquid-liquid extraction (LLE), derivatization	lab-developed	fixed
S8	Determination of cannabis (Δ^9-tetrahydrocannabinol) by GC-MS/MS for Confirmation/ Quantification Testing	CP, QP	Human Urine[b]	GC-MS/MS	Chemical hydrolysis, liquid-liquid extraction (LLE), derivatization	lab-developed	fixed
~~S1~~ Other	Determination of endogenous steroids by GC-MS/MS for	CP, QP	Human Urine[b]	GC-MS/MS	Solid phase extraction (SPE),	lab-developed	fixed

Substance class[a]	Method	Purpose of the method (ITP, CP, QP)*	Matrix[b]	Analytical technique(s)	Sample preparation principle	Type of method *(standard or lab-developed)*	Type of Scope *(flexible[c] or fixed)*
(Markers of the steroid profile)	Confirmation/Quantification Testing				enzymatic hydrolysis, liquid-liquid extraction (LLE), derivatization		
S1	Determination of 19-norsteroids related to nandrolone by GC-MS/MS for Confirmation Testing -TME215	CP	Human Urine[b]	GC-MS/MS	enzymatic hydrolysis, liquid-liquid extraction (LLE), derivatization	lab-developed	fixed
S3	Determination of formoterol for Confirmation/Quantification Testing by LC-QTOF	CP, QP	Human Urine[b]	LC-QTOF	Enzymatic hydrolysis, Dilute and shoot	lab-developed	fixed
S3	Determination of salbutamol for Confirmation/ Quantification Testing by LC-QTOF	CP, QP	Human Urine[b]	LC-QTOF	Dilute and shoot	lab-developed	fixed
S6.B	Determination of ephedrines for Confirmation/ Quantification Testing by LC-QTOF	CP, QP	Human Urine[b]	LC-QTOF	Dilute and shoot	lab-developed	fixed
S6.B	Determination of methyl-ephedrine for Confirmation/Quantification Testing by LC-QTOF	CP, QP	Human Urine[b]	LC-QTOF	Dilute and shoot	lab-developed	fixed

^ *Candidate Laboratory for WADA Accreditation*

[a]*: According to the World Anti-Doping Agency (WADA) Prohibited List in effect*

[b]*: According to the WADA specifications (WADA International Standard of Laboratories, ISL, in effect)*

[c]*: Flexible Scope – Not publicly available information, List of Accredited Activities SOP 022: ANNEX 3 (ITP, CP)*

**ITP: Initial Testing Procedure*

**CP: Qualitative Confirmation Procedure*

Substance class[a]	Method	Purpose of the method (ITP, CP, QP)*	Matrix[b]	Analytical technique(s)	Sample preparation principle	Type of method *(standard or lab-developed)*	Type of Scope *(flexible[c] or fixed)*

**QP: Quantitative Confirmation Procedure*

Site of assessment: **Laboratory permanent premises, Nerantziotisis & Amaryssias Artemidos Str, 15123, Marousi, Athens, Greece**
Approved signatory: **Dr C. Christophoridis, Laboratory Scientific Director**

This Scope of Accreditation replaces the previous one dated 08.03.2025
The Accreditation Certificate No. **1**-7 , to ELOT EN ISO/IEC 17025:2017, is valid until 28.09.2030

Athens, 29.09.2025

Konstantinou Evangelos Apostolos
CEO of E.SY.D.

Hellenic Accreditation System

Annex F1B/2 to the Certificate No. **1**-7

SCOPE of ACCREDITATION

of the

Doping Control Laboratory of the National Center for Scientific Research (NCSR) "Demokritos"

Tested materials / products	Types of test/Properties to be measured (*)	Applied Standards /Techniques(**)
1. Horse urine ~~(*)~~	1. Identification of prohibited substances for the identification and confirmation analysis by LC-QTOF	Flexible Scope (***) In house methods TME111, TME236 (LC-QTOF)
	2. Identification of prohibited substancesfor the identification and confirmation analysis by GC-MS/MS	Flexible Scope (***) In house method TME112 (GC-MS/MS)
	3. Quantification of testosterone	In house method TME 217 (GC-MS)
	4. Quantification and identification of cortisole	In house method TME 218 (LC-QTOF)
	5. Quantification and identification of salicylic acid	In house method TME 221 (LC-QTOF)
	6. Quantification of estrandiol	In house method TME 222 (GC-MS)
	7. Quantification and identification of 3-methoxy-tyramine	In house method TME 229 (LC-QTOF)

(*) According to the "International Agreement on Breeding and Racing, International Federation of Horse Racing Authorities, Paris, 2001, Article 6".

(**) GC-MS/MS: Gas-chromatography with mass spectrometry (or tandem mass spectrometry),

LC-QTOF*: Liquid Chromatography Time-Of-Flight Mass Spectrometry,*

TME: Standard Operating Procedure (internal).

(***) According to the List of Accredited Activities for horse urine, SOP 022: ANNEX 4

Site of assessment: **Laboratory Permanent premises, Neratziotissis & Amaryssias Artemidos Str, 15123, Marousi, Athens, Greece**

Approved signatory: **Dr C. Christophoridis, Laboratory Scientific Director**

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