

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: **INRS - Centre Armand Frappier Santé Biotechnologie**

Location Name or Operating as (if applicable): Laboratoire de contrôle du dopage

Contact Name: Marie Leclerc

Address: 531 boulevard des Prairies, Laval (Québec) H7V 1B7

Telephone: 450-687-5010 poste 8851

Website: <https://inrs.ca/la-recherche/infrastructures-de-recherche/repertoire-des-infrastructures-de-recherche/laboratoire-de-contrôle-du-dopage/>

Email: marie.leclerc@inrs.ca

SCC File Number:	15563
Provider:	BNQ-EL
Provider File Number:	28522-1
Accreditation Standard(s):	International Standard for Laboratories (ISL) ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Biological Chemical/Physical
Initial Accreditation:	2001-09-26
Most Recent Accreditation:	2025-02-18
Accreditation Valid to:	2029-09-26

This laboratory also has the capacity to implement a temporary laboratory.

*Remarque : La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.
Note: This scope of accreditation is also available in French as a document issued separately.*

PRODUCTS AND MEDICAL SERVICES

Screening and confirmation of prohibited substances and methods (doping control in sports)

Flexible Scope:

<u>Method code</u>	<u>Substance class</u>	<u>Matrix</u>	<u>Analytical technique</u>	<u>Sample preparation principle</u>
Procedure G001	Specific Gravity	Urine	Refractometer	N/A
Procedure 04	S1. Anabolic Agents	Urine, Serum	GC-MS, LC-MS	Dilute and shoot, Solid-Support Liquid Extraction (SLE), Enzymatic Hydrolysis, Liquid-Liquid Extraction (LLE), Derivation, Chemical Hydrolysis
	S3. Beta-2-agonists			
	S4.1. Aromatase inhibitors			
	S4.2. Anti-estrogens			
	S6. Stimulants			
	S7. Narcotics			
	S8. Cannabinoids			
	M1. Prohibited methods			
Procedure 07	S2.1.4 Transforming growth factor beta (TGF- β) signalling inhibitors	Urine, serum, plasma	Gel electrophoresis	Ultrafiltration/Immunopurification
Procedure 09	S5. Plasma expanders	Urine	GC-MS, Immunoassay	Chemical Hydrolysis, Derivation

<u>Method code</u>	<u>Substance class</u>	<u>Matrix</u>	<u>Analytical technique</u>	<u>Sample preparation principle</u>
Procedure 14	S1. Anabolic agents	Urine	LC-MS, GC-MS	Dilute and shoot, Liquid extraction on solid support (SLE), enzymatic hydrolysis, Liquid-liquid extraction (LLE), derivation, Chemical hydrolysis
	S2. Peptides hormones, growth factors, related substances, and mimetics			
	S3. Beta-2-agonists			
	S4. Hormone and metabolic modulators			
	S5. Diuretics and masking agents			
	S6. Stimulants			
	S7. Narcotics			
	S8. Cannabinoids			
	S9. Glucocorticoids			
	M1, M2. Prohibited methods			
	P1. Beta-blockers			
	S0. Non-approved substances			
	Drugs of abuse			

<u>Method code</u>	<u>Substance class</u>	<u>Matrix</u>	<u>Analytical technique</u>	<u>Sample preparation principle</u>
	Confounding factors			
Procedure 17	S1. Anabolic agents	Dried blood spot (DBS)	LC-MS, GC-MS	Liquid extraction and derivation
	S2. Peptide hormones, growth factors, related substances, and mimetics			
	S3. Beta-2-agonists			
	S4. Hormone and metabolic modulators			
	S5. Diuretics and masking agents			

PRODUCTS AND MEDICAL SERVICES

Screening and confirmation of prohibited substances and methods (sports doping control)

Fixed Scope:

Procedure 04	S1.1 Measurement of markers of the Steroid Profile in urine by GC-MS
Procedure 04	S1.1 Measurement of markers of the Steroid Profile in serum by LC-MS
Procedure 04	Detection of the presence of Synthetic Forms of Prohibited substances in urine by GC/C/IRMS.
Procedure 04	Quantitative Confirmation of Threshold Substances in urine by GC-MS
Procedure 06	S2.1 Screening of Intact Human Chorionic Gonadotropin (hCG) and Luteinizing Hormone (LH) in urine by immunoassay.
Procedure 07	S2.1.1 Detection of recombinant erythropoietins and analogues in urine, serum and plasma by gel electrophoresis.
Procedure 10	M1 Measurement of Blood Parameters in blood by hematological analyzer
Procedure 11	M1 Detection of Homologous Blood Transfusion in blood by flow cytometry
Procedure 12	M1 Detection of HBOCs in serum and plasma by gel electrophoresis
Procedure 13	S2.2.3 Screening of Human Growth Hormone and its Biomarkers in serum by immunoassay.
Procedure 14	Quantitative Confirmation of Threshold Substances in urine by LC-MS
Procedure 15	S2.2.3 Detection of Peptides Hormones in serum by LC-MS

Notes

The list of individual methods and substances covered by the accreditation is available on request for the flexible scope.

Procedures XX: Laboratory internal methods

This document forms part of the Certificate of Accreditation issued by the Standards Council of Canada (SCC). The original version is available in the Directory of Accredited Laboratories on the SCC website at www.scc.ca.

Elias Rafoul
Vice-President, Accreditation Services
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