

Annex to the accreditation certificate: N° 1/033 According to standard ISO/IEC 17025:2017 For a testing laboratory

Version 01 of the technical annex from 28 May 2023
Valid until 28 May 2028

Accredited organisation:

Luxembourg Institute of Health

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Document approved by:



Dominique Ferrand
Head of OLAS department

Biology / Health / Forensic

Objects submitted for analysis (e.g. products, materials, samples, matrices, equipment)	Characteristics or properties measured	Measurement principle and equipment (e.g. manual or automatic measurement)	Analysis methods (e.g. published, adapted, checked internally)
General domain: LAB 18 - Biological analyses			
Technical domains: LAB18.1 – Molecular biology			
DNA extracts	DNA quantity	Spectrophotometry	M007 (in-house developed) Nucleic Acid Quantification by Spectrophotometry
	Ratio		
	DNA quantity	Spectrofluorometry	M005 (in-house developed) DNA Quantification by Spectrofluorometry
RNA extracts	RNA quantity	Spectrophotometry	M007 (in-house developed) Nucleic Acid Quantification by Spectrophotometry
	Ratio		
	Electrophoresis profile properties (RNA Integrity)	Electrophoresis	M008 (in-house developed) RNA Integrity Measure (RIN)
DNA	16s RNA gene sequence	Targeted sequencing (MiSeq Illumina)	M053 (in-house developed) 16S rRNA Gene Sequencing

The laboratory is deemed competent in adapting and implementing recognised methods as well as methods designed by it. The laboratory is responsible for the validation of the methods it implements. The possibility of introducing new methods does not include the introduction of new measurement principles.

The laboratory is also responsible for the management of the list of methods it uses.