

STANDARD REFERENCE MATERIAL SRM_LEGDNA_01

CERTIFICATE OF ANALYSIS

DESCRIPTION OF THE SAMPLE

The Standard Reference Material SRM_LEGDNA_01 consists of dehydrated genomic DNA of *L. pneumophila* (Philadelphia reference strain ATCC 33152). The material is supplied in 2 mL screw-cap tubes and with the proper diluent to re-hydrate it.

INTENDED USE

This material is intended for the calibration of secondary and/or working measurement standards used to quantify *Legionella* DNA concentration in environmental samples.

It is to be used as the higher level of the calibration range. The calibration range must be done following the protocols attached to this certificate.

STORAGE

The dehydrated DNA must be stored at $-20^{\circ}\text{C} \pm 3^{\circ}\text{C}$.

Once re-hydrated, the DNA must be stored at $+5^{\circ}\text{C} \pm 3^{\circ}\text{C}$ and used during the next 72 hours.

The CNRL cannot be held responsible for changes that happen during storage of the material at the customer's premises.

Legionella pneumophila DNA

DNA quantity per tube (Genome Units GU)	Certified Value ¹⁾	Uncertainty ²⁾
	10,6.10 ⁶	$\pm 1,7.10^6$
1) The certified value is the mean of 9 sets of results, independently obtained from 9 laboratories. 2) The reported uncertainty is an expended uncertainty calculated using a coverage factor of 2 (assumption of normal distribution).		

CERTIFICATION ANALYTICAL METHOD

Limiting dilution assay by Real Time PCR

A technical report on the certification is available at <http://cnr.univ-lyon1.fr>

STABILITY

The DNA quantity per tube is stable as long as the material is manipulated and stored as instructed. It will still be controlled and users would be notified in case of significant changes.

Date of revalidation: 27th August 2014

This certificate is valid through 29th February 2016.

Maud Baume

