

LEGIONELLA EXTRACTION

DNA EXTRACTION KIT

Rapid kit for the extraction of *Legionellae* DNA from clear water samples.

Product code: IC-02-0090 (50 extractions)

Description

Legionella DNA Extraction Kit provides a simple and rapid system to the extraction of *Legionellae* DNA from clear water samples, like potable water, water system, swimming pool and, generally, water samples not containing many particles.

Legionella DNA Extraction Kit combines an optimum water filtration process to a simple and efficient lysis and purification system.

An illustrative work scheme:

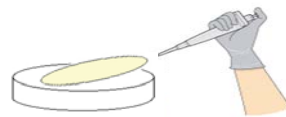
Filtration and Lysis



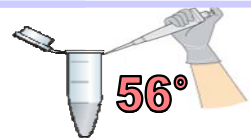
Assemble the filter membrane on filtration system.



Pour the sample in the filtration system and filter.

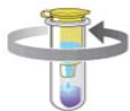


Transfer the membrane into an incubation plate and add Lysis solution.

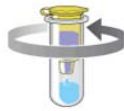


Withdraw the Lysis solution and incubate at 56°C for 10 min.

Binding and Elution



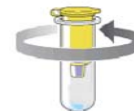
Transfer the solution into a binding column and centrifuge.



Wash the silica membrane, centrifuge.



Transfer the column into a clean tube.



Elute the DNA.

Technical features

Number of test	filtrations and extractions of 50 samples
Kit content	filter membranes, incubation plates, Lysis solution, Wash solution, Elution solutions, binding columns, tubes for DNA recovery.
Functionality	the purified DNA is suitable for any molecular biology applications like enzymatic digestion, cloning, sequencing, PCR, PCR Real Time tests.
Execution time	60 minutes for 10 samples, approximately
Proficiency test	FAPAS-LEAP: Test report Y0909 – Potable Water <i>Legionella spp.</i> - June/July 2011