

DNA PATHOGEN KIT

# 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:**

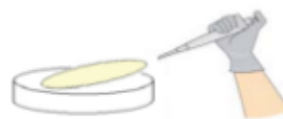
### Filtration and Lysis



**Assemble the filter membrane on filtration system.**



**Pour the sample in the filtration system and filter.**

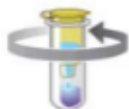


**Transfer the membrane into an incubation plate and add Lysis solution.**

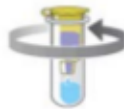


**Withdraw the Lysis solution and incubate at 56°C for 10 min.**

### Binding and Elution



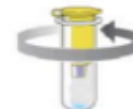
**Transfer the solution into a binding column and centrifuge.**



**Wash the silica membrane, centrifuge.**



**Transfer the column into a clean tube.**



**Elute the DNA.**

## Technical features

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