



Innuscreen

innovative
Sensor
Technology

innuPREP Water DNA Kit (large) - PP Mini

The innuPREP Water DNA Kit (large) - PP Mini has been developed for DNA extraction from large freshwater samples. This kit leverages two innovative technologies aimed at enhancing biomolecule enrichment.

In the first step, the water sample is concentrated through a process known as Target Concentration Technology (TCT), which reduces the sample volume from 500 ml to 30-50 ml. No filtration step is necessary. In a second step, the technique Polymer Mediated Enrichment (PME) improves the capture and concentration of target biomolecules. PME selectively attracts and binds specific biomolecules such as viruses, bacteriophages, bacteria, environmental DNA (eDNA), algae, and other microorganisms or molecules of interest allowing them to pellet by a centrifugation step. The pellets are then processed first using a mechanical Lysis Tube in combination of a Grinder to get bacteria prelysed and for extraction of DNA/ RNA the PurePrep Mini device has to be used.

The combination of these technologies enables the efficient extraction of genetic material from low or even trace concentrations of target biomolecules present in large water samples. The extracted DNA/RNA is of sufficient quality for a broad spectrum of downstream applications, including amplification reactions and various analytical procedures.

Product Name: innuPREP Water DNA Kit (large) - PP Mini

Product details

Low Throughput Device: PurePrep Mini

Extract: DNA

Reactions: 16 or 96 (PP Mini)

Sample type/Starting material: Water

Specifications:

Starting material

- 500 ml Water

Average yield

Depending on sample quality/quantity

Extraction time

- Preparatory work: approx. 135 minutes
- Automated Extraction: 45 minutes

The online shop

Price: € 192.00

Content: 16 reactions

Please select packing

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