

GeniUL

PEMAX_{TM} Monodose

Quick Guide for vPCR in water samples

Doc Code 450000133-00

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GeniUL

vPCR in water samples

Each kit (Cat. No. 4900013150) contains 50 tubes PEMAX_{TM} Reagent with Reaction Buffer Standard



This product has been manufactured for Research Use Only.

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vPCR in water samples

Not provided but necessary:



Cat. No. 9000700

And recommendable:



Dark Box, to protect
reaction tubes from light
Cat. No. 90001200



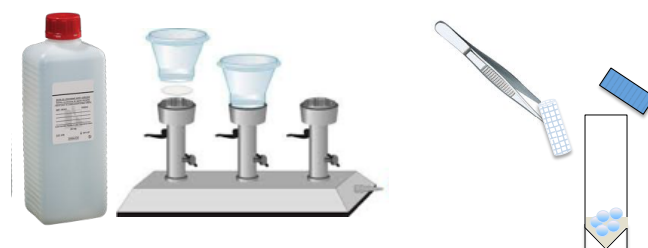
D-Bag system: for safe
removal of toxic residues
Cat. No. 900099645

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vPCR in water samples

Step 1: Sample concentration by filtration



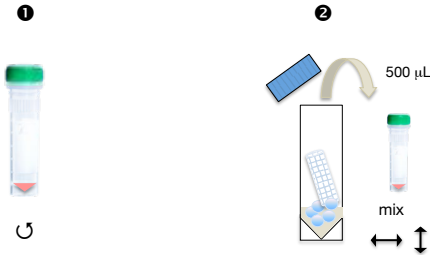
- 1) Concentrate 1 liter of water sample by filtration, using 47 mm polycarbonate filters with pore size of 0,4 μm
- 2) Transfer the filter to a tube with 10mL of Ringer 1/40 and glass beads.
- 3) Mix thoroughly (1-2 min)

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vPCR in water samples

Step 2: Sample treatment



- 1) Perform short spin of monodose PEMAX tubes (During shipment product may have been dislodged from the bottom)
- 2) Transfer 500 µL of concentrated sample to monodose tube and mix thoroughly.

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vPCR in water samples

Step 3: Incubation on darkness

20-30 min. 37°C



(Previously heat Dark Box to 37°C)

Step 4: Photoactivation

15 min. 100% power

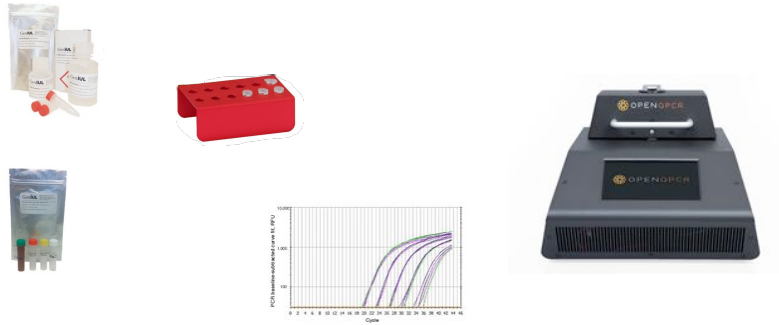


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vPCR in water samples

Step 5: DNA purification and qPCR



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vPCR in water samples

Step 5: DNA purification and qPCR

vDNA Reagent, quick and easy

(Cat. No. 4900014000 and 4900014050)

Legionella spp, qPCR kit
optimized for vPCR

(Cat. No. 4900023000)



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vPCR in water samples

If you are more interested in apply the vPCR procedures directly over the filter membrane please read our Doc Code 450000120-00.

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The logo for GeniUL, featuring the word "Geni" in a teal sans-serif font and "UL" in a larger, bold teal sans-serif font.

Experts in vPCR

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