



LeverTest Legionella Positive

Control

Catalog number:

711-10-00

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I. INTRODUCTION

LeverTest® Legionella Positive Control (Cat. No. 711-10-00) provides a positive control for either the **Legipid® Legionella Fast Detection** test for using in verification assays with real water matrixes (potable, natural, industrial water...) which need to be inoculated by material able to be detected by immunosensing.

II. LEVERTEST *LEGIONELLA* POSITIVE CONTROL

Levertest can be used in different ways depending on the objective of each analyst:

A) Obtain a positive control of *Legionella pneumophila* which allows see color using this kit (avoiding filtration step).

Levertest provides an equivalent “prepared sample” avoiding the filtration step, which could introduce variability on the recovery of the organisms. Therefore, Levertest can be used either direct or diluted with L0 to get lower concentrations

B) To analyze by Legipid® including the filtration step.

For determining *Legionella*, generally 1 liter of the original water sample is filtered to concentrate the organisms in a volume as small as 5-10 ml, which is called “concentrate” or “prepared sample”.

If real samples must be inoculated, then you must add the desired amount of Levertest to the properly matrix and after this, filtrate as usually.

III. KIT COMPONENTS

The reference 711-10-00 contains a vial with a 20 ml-suspension of immunodetectable material obtained from *Legionella pneumophila* sg 1. We also supply a bottle of 250 ml-L0 to make dilutions of such material, if necessary.



IV. SHELF LIFE AND STORAGE

Once received, the vial and the bottle must be stored between +2°C and +8°C, preferably at +4°C. The expiry time, properly stored, is **1 month** from the manufacturing date.

All the reagents are labeled with their own lot number and the storage conditions. In addition, the protocol includes code, batch number and expiry date, so traceability of all reagents is guaranteed.

V. MATERIAL REQUIRED BUT NOT SUPPLIED

- ◆ Suitable tubes for dilution of samples (if necessary).
- ◆ Pipettes of different volumes (Optional).

VI. PRECAUTIONS AND RECOMMENDATIONS

- ◆ This test must be performed by adequately trained personnel.
- ◆ Avoid spraying the samples

VII. PROTOCOL

Before starting the test:

Leave the Levertest sample and the L0 bottle at room temperature for at least 30 minutes before the assay in the Legipid® Legionella Fast Detection kit or before inoculating the water samples.

DIRECT TESTING

1. **Shake** gently the Levertest sample before starting the test. It is possible to make **a dilution** of the Levertest with L0 reagent or to **use less volume** for testing lower concentrations.

Each sample (either direct or diluted with L0) is equivalent to a “**prepared sample**” coming from filtration.

2. Go directly to the **section B** of the Legipid® protocol: **Analysis using Legipid® Legionella Fast Detection Kit**, and follow the instructions.

INOCULATING WATER SAMPLES

1. For **inoculating water samples**, you must add the desired amount from Levertest to the water matrix and mixing it by gentle shaking before proceeding with the **Filtration step**.

2. From there, proceed as usual to filter an actual sample, considering that the **elution** of the filter should be done in **10 ml** of L0 (see **Section VII** of Sample Preparation at the **Legipid® Legionella Fast Detection protocol**).

Notice to purchaser: Use this product only for internal testing

<p>Lot number:</p> <p>Concentration (CFU equiv/ml):</p> <p>Expiry date from manufacturing date:</p>	<p>For technical assistance please contact: Biótica, Bioquímica Analítica, S.L. Science and Technology Park, Jaume I University Building Espaitec 2, ground floor, lab 2 E12071 – Castellón, Spain www.biotica.es info@biotica.es Tel.: +34 964108131 Fax: +34 964737790</p>	
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