INSTRUCTIONS FOR USE

LEGIONELLA ACID SOLUTION

Ready-to-use flasks

INTENDED USE

Acid solution for pre-treatment of environmental samples for the detection of *Legionella* spp.

COMPOSITION

Chloridric acid 37%	2.35	mL
Potassium chloride	12.89	g
Potassium hydroxide	0.95	g
Water	a 1.000	mL

PHYSICAL CHARACTERISTICS

Appearance of the solution	clear transparent
pH (20-25°C)	2.2 ± 0.2

MATERIALS PROVIDED – PACKAGING

Product	Type	Cat. no.	Packaging
Legionella Acid Solution	Ready-to-use flasks	5100103	6 x 200 mL glass bottles with screw caps in cardboard box

TEST PROCEDURE

Method according to ISO 11731:2017[1]

Dilute one volume of the sample (concentrated or unconcentrated) with nine volumes of the acid solution, mix well and allow to stand for 5 min.

NOTE: If the diluted acid-treated sample is used to calculate the final concentration of *Legionella* spp. in the sample, the dilution must be taken into account. Volumes greater than 0.1 ml may be plated to lower the detection limit.

The acid treatment can also be carried out directly on the filter membrane in the funnel. Transfer about 30 ml of the acid solution onto the filter membrane. Leave for 5 minutes and remove the acid solution by filtration. Wash the filter membrane with at least 20 ml of diluent.

NOTE: It is important that the diluent does not rinse the surface of the funnel that had not been in contact with the acid solution.

PRECAUTIONS AND WARNINGS

- The preparation described here is not classified as hazardous under current legislation.
- Check the integrity of the screw cap before use.
- Do not use the bottles beyond the expiry date. Do not use bottles if there are obvious signs of deterioration (e.g. contamination, altered colour).
- Do not use the product described here as an active ingredient for pharmaceutical preparations or as a material for production for human or animal consumption.
- The Certificates of Analysis and Safety Data Sheet for the product are available at www.biolifeitaliana.it.

STORAGE

Store at 10-30°C away from light, in a dry place. Under these conditions the product remains valid until the expiry date indicated on the label. Do not use after this date.

After opening, the solution must be used within 2 weeks, taking care to maintain aseptic conditions.

BIBLIOGRAPHY

1. ISO 11731:2017 - Water quality - Enumeration of Legionella

TABLE OF APPLICABLE SYMBOLS

Catalogue number	Batch code	Fragile, handle with care	Manufacturer	This way up
Temperature limitations	Contents sufficient for <n> tests	Consult electronic instructions for use	Use by	Keep away from sunlight

REVISION HISTORY

Version	Description of changes	Date
Revision 0	First issue	2021/02
Revision 1	Storage update, layout revision	2026/04

Note: minor typographical, grammatical, and formatting changes are not included in the revision history.