

LEGIONELLA TEST KIT

TEST KIT FOR ON-SITE RAPID DETECTION OF LEGIONELLA PNEUMOPHILA SG1



DESCRIPTION

LEGIONELLA TEST KIT is a breakthrough in technology for the rapid detection of legionella bacteria in industrial water. Test results can be obtained in minutes instead of days.

LEGIONELLA TEST KIT provides the user with fast results, high sensitivity and in-line sampling.

The test kit contains all the items required to perform 5 tests – including filters, recovery buffer, collection vessel and sample point.

APPLICATION

Determination of Legionella Pneumophila SG1 for all for all types of water sources on board. Use **LEGIONELLA TEST KIT** in combination with the **POTABLE WATER TEST KIT** for integrated testing of the water available on board.

It should be used to supplement your existing sampling programme and should not replace routine laboratory analysis.

Lower limit of detection: Down to 100 CFU/L (0.1 CFU/mL)

Tested against a wide range of waterborne bacteria, including Acinetobacter calcoaceticus, Aeromonas hydrophila subsp. hydrophila, Bacillus subtilis, Burkholderia cepacia, Citrobacter freundii, Citrobacter koseri, Escherichia coli, Enterobacter cloacae, Klebsiella oxytoca, Pseudomonas aeruginosa, Pseudomonas fluorescens, Pseudomonas putida, Pseudomonas stutzeri, Ralstonia pickettii, Raoultella terrigena, Streptococcus pyrogenes, Yersinia ruckeri. No cross reactions observed at concentrations > 10⁹ CFU/L. The test does not react with any other L. pneumophila serogroups or L. species tested.

The product has been tested with a range of common biocides and iodispersants used in Legionella control, at their normal maximum operating concentration. Active ingredients tested include: lutaraldehyde, didecyl-dimethyl-ammonium chloride, isothazoles, dibromonitripropionamide, ionic and non-ionic surfactants. The test gives a false positive if used with polymeric biguanide or THPS.

USE

LEGIONELLA TEST KIT uses immunochromatographic assay, to detect the presence of cell surface antigens from Legionella bacteria in a sample. The presence of antigen causes the 'Test Line' to turn red in colour. A 'Control Line' is included which should always turn red if the test has been performed correctly.

The filtration step needs no pumping, just connect the sample point to the water system and use the system pressure to drive the filtration.

- ✓ Potable water quality onboard
- ✓ Compact & portable design
- ✓ Rapid detection of Legionella Bacteria
- ✓ Results achieved in 30-35 minutes
- ✓ Detects Legionella pneumophila serogroup 1 bacteria
- ✓ Easy to follow test procedure
- ✓ Everything included to perform 5 tests
- ✓ Refill packs readily available

PROBLEMS SOLVED

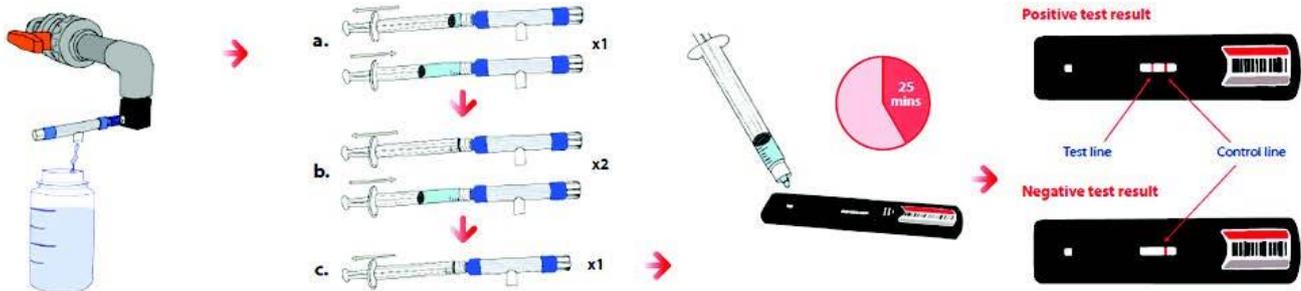
- ✓ Suitability of potable water for consumption
- ✓ Conformance with regulations

APPLICATION AREAS

- ✓ All water sources onboard

PRODUCT CODE: WT 351

The test follows a simple procedure (about 5-10 minutes) and the results are easily obtained within 30 to 35 minutes. The pre-filled syringes contain the required recovery buffer, so there is no need to measure or dilute solutions. Once the result is obtained, the water condition can be assessed and any treatment necessary can take place, to ensure there is no risk of outbreaks and subsequent litigation.



CONTENTS

LEGIONELLA TEST KIT is sufficient for 5 tests and contains:

- Instructions: ✓
- Legionella Test Cells: 5
- Legionella Filters: 5
- Legionella Syringes: 5
- 50ml Luer Lock Syringes: 5
- Plastic Wide Neck Bottle (500ml): 1

Replacements readily available for all above kit contents.

