

THE MOST RELIABLE LEGIONELLA TESTING KIT ON THE MARKET

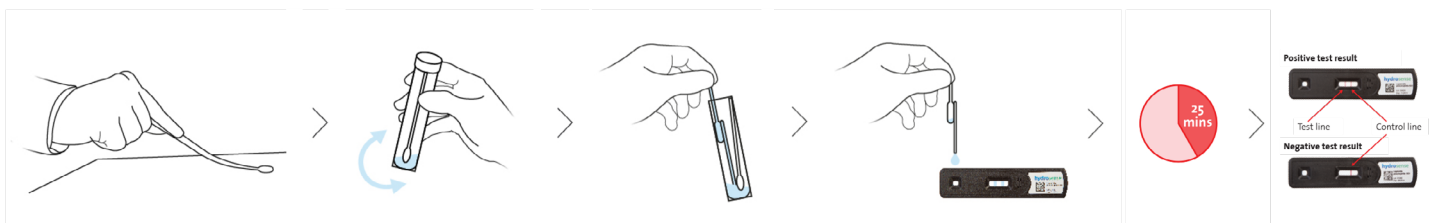
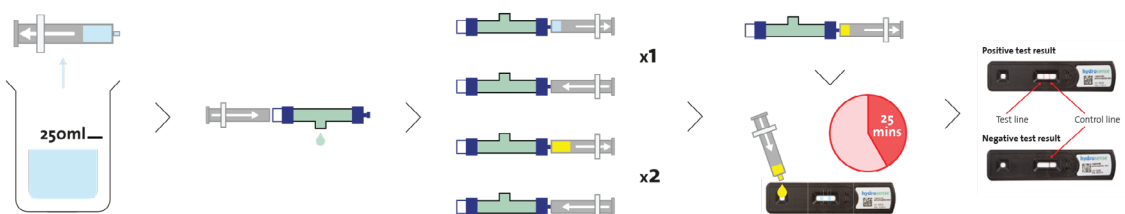
The LegionellaMAX Test Kit is the most advanced, accurate and versatile technology from Martek Marine for the rapid detection of Legionella bacteria, both in water samples and biofilms taken from any source.

- Both water samples and biofilms
- Rapid results
- Easy to use
- High sensitivity and reliable
- Supports risk assessment

The LegionellaMAX test contains all the items required to perform 4 tests (2 water samples plus 2 biofilm tests).

- This test is designed for any water system such as showers, industrial and domestic water systems (e.g. cooling towers), spas and bathtubs.
- The filtration step concentrates the Legionella bacteria to achieve a sensitivity level of 0.1 CFU/ML in water samples, and a sensitivity of 0.2 CFU/ML in biofilms.
- Pre-filled syringe containing recovery buffer and pre-filled vials, no need to measure or dilute solutions.
- The test is simple to use, with no interpretation or training required.
- Results are easy to read on site within 25–35 minutes. Minimises delays and downtime.
- Regular use increases confidence in your Legionella control.
- App reader provides independent record of test.

The LegionellaMAX Test Kit uses an 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 will always turn red if the test has been performed correctly.



100X EFFICIENCY

Improving the previous market-leading test to 0.1 CFU per ML.

UNRIVALLED ON-BOARD TESTING

Tests both water samples and biofilms taken from any source.

RAPID RESULTS

Simple “positive or negative” result within 35 minutes.

The control line also indicates that the test is working correctly.

EASE OF USE

No formal training required. The pre-filled syringe containing recovery buffer and the pre-filled vials means there's no need to measure or dilute solutions.

BACTERIA DETECTED	Legionella pneumophila serogroup 1
DETECTION METHOD	Lateral flow immunochromatographic assay
LOWER LIMIT OF DETECTION	100 CFU/L for water samples and 200 CFU/L for biofilms
SPECIFICITY	<p>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 pyogenes, Yersinia ruckeri.</p> <p>No cross reactions have been observed at concentrations ≤ 109 CFU/L. Staphylococcus aureus has been observed to cross react with the test at concentrations > 108 CFU/L, which is higher than found in most water samples.</p> <p>Legionella pneumophila serogroups 4 & 7 cross react with the Test at concentrations $> 6 \times 10^9$ CFU/L. The test does not react with any other L. pneumophila serogroups or L. species tested.</p>
TEST VOLUME	100 μ L
SUGGESTED SAMPLE VOLUME/AREA	250 mL (water samples)/ 10 cm ² (biofilms)
PARAMETER	Sample should filter in less than 10 minutes (water samples). Resuspension of the bacteria should be done in 2 mL of recovery solution. Shake the tube for at least 20 seconds (biofilms).
TEST VOLUME	The product has been tested with a range of common biocides and biodispersants used in Legionella control, at their normal maximum operating concentration. Active ingredients tested include: glutaraldehyde, didecyl-dimethyl-ammonium chloride, isothiazoles, dibromonitripropionamide, ionic and non-ionic surfactants. The test gives a false positive if used with polymeric biguanide or THPS.
OPERATOR TIME	5–10 minutes
TEST TIME	25 minutes
SHELF LIFE	At least 6 months from date supplied, when stored at room temperature ($<30^{\circ}\text{C}$) in original packaging. All test strips are hermetically foil-wrapped with a printed expiry date.

Description	LegionellaMAX	LegionellaMAX Refill Kit
Plastic Case	1	0
Foam insert for plastic case	1	0
Big 60ml Syringe	2	2
Small Syringe	2	2
Red Cap for small Syringe	2	2
Swab	2	2
Vial to hold recovery buffer for Swab Test	2	2
Bag for Pipette	2	2
Pipette	2	2
Product Label	1	1
Instruction Booklet	1	1
Expiry date label	1	1
Test Strip	4	4
Filter	2	2
Recovery buffer for Water Test	2	2
Recovery buffer for Swab Test	2	2
Bag (Packaging)	0	1