



Legionella Option



Simple Steps for Legionella Test

Legionella Option

Legionella is a bacteria which can cause a pneumonia-like disease called "Legionnaires' Disease". Infection occurs when the bacteria is inhaled from aerosols of contaminated water. Aerosols can be produced anywhere water is splashed or sprayed but some of the most common sources associated with Legionnaires' Disease are showers.

The Legionella Field Test is a breakthrough technology from CMT for the rapid detection of Legionella bacteria in marine potable water systems— delivering test results in minutes instead of days. The test kit contains everything required to perform 10 tests – including sample collection containers and disposable pipettes.

- Optimised for use with hot and cold water systems on-board ships.
- Simple to use and fast, with no interpretation required.
- Results are easy to read and obtained within 25 minutes.
- No chemicals.
- Immediate understanding and response to the water conditions.
- Reduce risk of outbreaks and litigation.
- Increase confidence in your Legionella control.

Conductivity Option:

Conductivity is an indirect measurement of total dissolved solids. Typical value (approximately) for untreated distillates is 50 $\mu\text{S}/\text{cm}$. Water from shore sources should have around 500 $\mu\text{S}/\text{cm}$. Seawater has about 50,000 $\mu\text{S}/\text{cm}$. Therefore a high conductivity could be an indication for seawater ingress. A too low conductivity value should trigger evaluation of corrosive processes in the piping and existing of heavy metals due to corrosion.

pH Option:

Ideal pH value depends on the materials used. A pH value above 8 does not allow effective water disinfection with chlorine and gives evidence that self produced water may not be re-mineralized adequately. Further assessment of water quality should be performed.



pH / Temp Meter

Conductivity / TDS Meter



Chloride / Hardness Option

Ordering Information

WTK-CT-80010

CMT Legionella Field Test Kit (5)

(Distribution System)

Detection Limit:	100 CFU/ml
Operator Time:	< 2 minutes
Development Time:	25 minutes

WTK-CT- 80040

CMT Legionella Biofilm Test Kit (5)

(Biofilm Cold Water Storage Tank)

Detection Limit:	100 CFU/ml
Operator Time:	< 2 minutes
Development Time:	25 minutes

WTK-CT-85012

Conductivity / TDS Meter

Range:	0 – 2000 μS ; 2-20mS 0 - 13000 ppm
Accuracy:	+/- 2%
Test time:	< 1 minutes
Reagents:	non hazardous
Calibration Pack:	WTK-CT-85005

WTK-CT-85013

pH Meter

Range:	
pH:	-2 - 16
Temp:	0 - 90 °C
Accuracy:	+/- 0.02 pH / 0.3 °C
Test time:	< 1 minutes
Reagents:	non hazardous
Buffer Solution 4.0:	WTK-CT-85014
Buffer Solution 7.0:	WTK-CT-85015
Buffer Solution 10.0:	WTK-CT-85016