



MARINE TESTING SOLUTIONS

Potable Water Test Kits

Tel: +44 (0)1903 778718
enquiries@marinetestingsolutions.com
www.marinetestingsolutions.com

Marine Testing Solutions Ltd
Unit C1, Rudford Ind Estate
Ford Road
Ford
West Sussex
BN18 0BD



Potable Water Test Kits

The MTS Potable Water Test Kits enables ships staff to monitor the quality of the drinking water on board the ship by providing tests for important operational control parameters and verification tests for bacteria that can be of risk to human health. The range of tests can be used on the ship either as a standalone control solution or as a supplement to laboratory analysis, dependant on flag state guidelines.

Features

- Self contained testing kit for E.Coli and Coliforms.
- Helps you to meet MLC 2006 recommendations for the quality of drinking water.
- Includes compact and robust sample incubator.
- USB with training material.

Benefits

- Incubator ensures that you achieve consistent test results.
- Additional test kits can be added as required to meet flag state and / or company requirements.
- USB training material supports you with crew training and competency.



Diseases on board ships

Improperly managed water is an established route for infectious disease transmission on ships. This was illustrated in a review of more than 100 outbreaks associated with ships undertaken by Rooney et al. (2004). One fifth was attributed to a waterborne route.

WHO "Guide to Ship Sanitation" (Third Edition)

"A ship operator's role is to provide safe water to passengers and crew, fit for all intended purposes. Water on board should be kept clean and free from pathogenic organisms and harmful chemicals. Responsibilities are to monitor the water system, particularly for microbial and chemical indicators, to report adverse results under the IHR 2005, where required and to take corrective action".

Maritime Labour Convention 2006

The Marine Labour Convention(MLC) 2006 is the platform for the international Labour Organisation (ILO) to implement standards for the employment and living conditions for workers in the marine industry. These standards include the requirement that "Each member shall adopt laws and regulations or other measures to provide minimum standards for the quantity and quality of food and drinking water and for the catering standards that apply to meals provided to seafarers on ships that fly its flag, and shall undertake educational activities to promote awareness and implementation of the standards referred to in this paragraph." (Standard A3.2 Food and Catering)

MTS-K100535 Basic Potable Water Test Kit

Contents:

Marine Heavy Duty Plastic Case & Foam	1
MTS Digital Incubator (110v/240v)	1
UV Lamp	1
Coliforms/E Coli Pack (Detects 1 CFU/100ml) (25)	1
Instruction Manual & Log Book	1

MTS-K100141 Standard Potable Water Kit

Contents:

Marine Heavy Duty Plastic Case & Foam	1
MTS Digital Incubator (110v/240v)	1
Comparator	1
Comparator Cells	2
Chlorine LR (Free & Total) (0 – 1ppm) Comparator Test (100)	1
Chlorine LR (0 – 5ppm) Comparator Test (100)	1
Chlorine HR (0 – 250ppm) Comparator Test (100)	1
pH (4 – 11) Comparator Test (100)	1
Digital Temperature Meter	1
UV Lamp	1
HPC (TVC) Aerobic Bacteria Pack (0 – 1400 CFU/ml) (40)	1
Coliforms/E Coli Pack (Detects 1 CFU/100ml) (25)	1
Instruction Manual & Log Book	1

MTS-K100142 Full Potable Water Kit

Contents:

Marine Heavy Duty Plastic Case & Foam	1
MTS Digital Incubator (110v/240v)	1
Comparator	1
Comparator Cells	2
Chlorine LR (0 – 1ppm) Comparator Test (100)	1
Chlorine LR (0 – 5ppm) Comparator Test (100)	1
Chlorine HR (0 – 250ppm) Comparator Test (100)	1
pH (4 – 11) Comparator Test (100)	1
Digital Temperature Meter	1
UV Lamp	1
Aerobic Bacteria Pack (0 – 1400 CFU/ml) (40)	1
Coliforms/E Coli Pack (Detects 1 CFU/100ml) (25)	1
Enterococci Pack (Detects 1 CFU/100ml) (20)	1
Pseudomonas Pack (Detects 1 CFI/100ml) (20)	1
Instruction Manual & Log Book	1

MTS-K100185 Marine Potable Chlorine Kit

Contents:

Marine Heavy Duty Plastic Case & Foam	1
Comparator	1
Comparator Cells	1
Chlorine (Free & Total) VLR Comparator Test (0 – 1 mg/l) (100)	1
Chlorine (Free & Total) LR Comparator Test (0 – 5 mg/l) (100)	1
Chlorine HR Comparator Test (0 – 250 mg/l) (100)	1
Instruction Manual & Log Book	1

MTS-K100186 Marine Potable Bacteria Kit

Contents:

Marine Heavy Duty Plastic Case & Foam	1
MTS Digital Incubator (110v/240v)	1
UV Lamp	1
Coliform/E Coli Test Pack (Detects 1 CFU/100ml) (25)	1
HPC (TVC) Aerobic Bacteria Test (0 – 1400 CFU/ml) (40)	1
Instruction Manual & Log Book	1

Digital Incubators

The MDI 2214 and MDI 3818 are temperature-controlled incubators purposely developed for the incubation of microbiological samples such as dip slides, media well plates and 100ml sterile thio bags. The incubators provide a stable environment at a user defined set temperature allowing the user to safely perform microbiological tests on various water samples. The incubators incorporate safety features so that they can be run autonomously for extended periods and then automatically switch off the power to the internal heating/cooling components. The Incubators will thermostatically isolate the electrical input if the internal temperatures exceed 90°C; ensuring the incubators should never overheat.



Part Number	Description
MTS-B102027	MDI 2214 Digital Incubator (Holds up to 12 Dipslides)
MTS-B102028	MDI 3818 Digital Incubator (Holds up to 30 Dipslides)

Legionella Test Kit

The MTS Industrial Legionella Test Kit is a quick and effective kit to deliver microbiological results in minutes instead of days. The test kit is a compact kit delivered in a case with easy and clear instructions.

The MTS Industrial Legionella 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.

Optional Extras for the Potable Water Test Kits

MTS-B100099 Legionella Biofilm Kit Single Test (Stored Water)

- Test Time < 35 Minutes
- Tests Included 1
- Sensitivity 200CFU/Swabbed Area



MTS-B100100 Legionella Industrial Kit (5)(Distribution System)

- Test Time < 35 Minutes
- Tests Included 5
- Sensitivity 100CFU/L



MTS-P100966 Copper Comparator Test (0 -1ppm) (Disc & Reagents (50))

MTS-B100125 Copper Test Strips (0 – 5ppm) (25)

MTS-P100965 Iron Comparator Test (0 -1ppm) (Disc & Reagents (50))

MTS-B100124 Iron Test Strips (0 – 5ppm) (25)

MTS-B100030 Turbidity Test (5 – 500 JTU) (Unlimited)

