

Potable Water Test Kit

The Potable Water Test Kit 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, dependent on flag state guidelines.



Product description

Access to safe drinking water is crucial at sea. With our high-quality drinking water test kits, crew members and passengers can rely on adequate supplies of hygienic water at all times. As an operator, you have the responsibility to provide safe drinking water. If you fail to do so, the effects of harmful chemicals and pathogenic organisms can be disastrous. With this kit, testing is easily carried out on board. Samples do not have to be sent ashore, saving time and money. It is a complete stand-alone solution - but it can also be used in combination with a more far-reaching laboratory test regime.

Features

- ✓ Action to be taken immediately
- ✓ Fast results in 24-48 hours
- ✓ Cost-effective in terms of sample costs, shipping and handling
- ✓ Self contained testing kit for E.Coli and Coliforms
- ✓ Includes compact and robust sample incubator
- ✓ USB with training material

Complies with these regulations:

- ✓ Maritime Labour Convention 2006 (MLC-2006)
- ✓ WHO - Guide to Ship Sanitation
- ✓ Norwegian Food Authority
- ✓ Norwegian Maritime Authority

Specifications & Content

Equipment & Accessories

1 x Marine Heavy Duty Plastic Case & Foam Insert

1 x Digital Incubator (110V/220V) (Ambient -50 °C, Accuracy +/- 0,5 °C)

1 x UV lamp (366 nm Long Wave)

1 x 7021 CON/TDS Meter Set (CON: 0 - 20,000 µS & TDS: 0 - 13,000 ppm)

1 x Digital Thermometer (-50 °C - 300 °C)

1x Polythene Disposal Gloves (100)

1 x 250 ml Wide Neck Sample Bottle (Water Chemistry Sampling)

4 x 100 ml Sterile Thio Sample Bags (25) (Microbiological Sampling)

1 x Manual & Log Book

Training DVD

Microbiological Tests

1 x Aerobic Bacteria Plate Pack (0-1400 CFU/ml) (40)

1 x Coliform & E.coli Pack (Presence/ Absence - Detects 1 CFU/100 ml) (20)

1 x Enterococci Pack (Presence/ Absence - Detects 1 CFU/100 ml) (20)

Water Chemistry Photometric Tests

1 x MD600 Photometer & Test Cells

1 x Chlorine LR (0-6 ppm) Programmed Photometer Test

50 x DPD No 1 & DPD No 3 Tablets

1 x Chlorine HR (5-200 ppm) Programmed Photometer Test

50 x Chlorine HR & Acidifying GP Tablets

1 x Colour (0-500 Pt-Co) Programmed Photometer Tests (Unlimited Tests)

1 x Copper (0-5 ppm) Programmed Photometer Tests

50 x Copper No 1 & 2 Tablets

1 x Iron LR (0-1 ppm) Programmed Photometer Tests

50 x Iron LR Tablets

1 x pH (6.5-8.4 pH) Programmed Photometer Tests

50 x Phenol Red Tablets

1 x Turbidity (0-1000 NTU) Programmed Photometer Test

Two available standards

ECON

DIGI

MTS-K100770-MB

Marting Bruusgaard **ECON** Potable Water Test Kit

Specification & Contents:

Equipment & Other Test Equipment:

- 1x Marine Heavy Duty Plastic Case & Foam Insert
- 1x Digital Incubator (110v/240v) (Ambient - 50°C - Accuracy ± 0.5°C)
- 1x UV Lamp (366nm Long Wave)
- 1x 7021 CON/TDS Meter Set (CON: 0 - 20,00µS & TDS: 0 - 13,000ppm)
- 1x Digital Thermometer (-50°C - 300°C)
- 1x Polythene Disposable Gloves (100)
- 1x 250ml Wide Neck Sample Bottle (Water Chemistry Sampling)
- 4x 100ml Sterile Thio Sample Bags (25) (Microbiological Sampling)
- 1x Manual & Log Book
- 1x Training USB Stick

Microbiological Test:

- 1x Aerobic Bacteria Plate Pack (0 - 1400 CFU/ml) (40):
- 1x Coliform & E.coli Pack (Presence/Absence - Detects 1 CFU/100ml) (25)
- 1x Enterococci Pack (Presence/Absence - Detects 1 CFU/100ml) (20)

Water Chemistry Photometric Tests:

- 1x Comparator Unit & Tets Cells
- 1x Chlorine LR Comparator Discs (0 - 1ppm & 0 - 4ppm)
- 50x DPD No 1 & DPD No 3 Tablets
- 1x Chlorine HR Comparator Disc (10 - 300ppm)
- 50x Chlorine HR & Acidifying GP Tablets
- 1x Colour Comparator Kit (0 - 500ppm)(Unlimited Tests)
- 1x Copper Comparator Disc (0 - 5ppm)
- 50x Copper No 1 & 2 Tablets
- 1x Iron LR Comparator Disc (0 - 1ppm)
- 50x Iron LR Tablets
- 1x pH Comparator Disc (4 - 11pH)
- 50x Universal pH Tablets
- 1x Turbidity Two Part Tube (0 - 500JTU) (Unimited Tests)

MTS-K100638-MB

Marting Bruusgaard **DIGI** Potable Water Test Kit

Specification & Contents:

Equipment & Other Test Equipment:

- 1x Marine Heavy Duty Plastic Case & Foam Insert
- 1x Digital Incubator (110v/240v) (Ambient - 50°C - Accuracy ± 0.5°C)
- 1x UV Lamp (366nm Long Wave)
- 1x 7021 CON/TDS Meter Set (CON: 0 - 20,00µS & TDS: 0 - 13,000ppm)
- 1x Digital Thermometer (-50°C - 300°C)
- 1x Polythene Disposable Gloves (100)
- 1x 250ml Wide Neck Sample Bottle (Water Chemistry Sampling)
- 4x 100ml Sterile Thio Sample Bags (25) (Microbiological Sampling)
- 1x Manual & Log Book
- 1x Training USB Stick

Microbiological Test:

- 1x Aerobic Bacteria Plate Pack (0 - 1400 CFU/ml) (40):
- 1x Coliform & E.coli Pack (Presence/Absence - Detects 1 CFU/100ml) (25)
- 1x Enterococci Pack (Presence/Absence - Detects 1 CFU/100ml) (20)

Water Chemistry Photometric Tests:

- 1x Primelab Photometer & Test Cells
- 1x Chlorine LR (0 - 8ppm) Programmed Photometer Test
- 50x DPD No 1 & DPD No 3 Tablets
- 1x Chlorine HR (5 - 200ppm) Programmed Photometer Test
- 50x Chlorine HR & Acidifying GP Tablets
- 1x Colour (0 - 500ppm) Programmed Photometer Test (Unlimited Tests)
- 1x Copper (0 - 5ppm) Programmed Photometer Test
- 50x Copper No 1 & 2 Tablets
- 1x Iron LR (0 - 1ppm) Programmed Photometer Test
- 50x Iron LR Tablets
- 1x pH (5 - 11pH) Programmed Photometer Test
- 50x Universal pH Tablets
- 1x Turbidity (0 - 1000NTU) Programmed Photometer Test
- 1x Turbidity Adaptor (Unimited Tests)

Test Kit Calibration Options

To ensure the accuracy of the results obtained, it is important that for each of the digital meters supplied in the kits, these are checked using the appropriate calibration standards/solutions. Once consumed or expired these are available under the following packs:

MTS-P101646-MB **ECON** Potable Water Kit Calibration Pack:

- 1 x Colour Colorimeter Standards
- 1 x 1413 µS Conductivity Solution (500ml)
- 1 X 12.88 mS Conductivity Solution (500ml)
- 1 x 50ml Plastic Beaker

MTS-P101647-MB **DIGI** Potable Water Test Kit Calibration Pack:

- 1 x Photometer Verification Standard Kit
- 1 x 1413 µS Conductivity Solution (500ml)
- 1 X 12.88 mS Conductivity Solution (500ml)
- 1 x 50ml Plastic Beaker

The Bruusgaard System



TBS is a unique turnkey portable gas detection solution, giving you increased safety and substantial cost savings through standardised instruments, routines, training and procurement.

Logistic Support

At any given time we know the status of all vessels and sites covered by The Bruusgaard System. We consolidate all shipments and make sure you have everything you need on board until next scheduled delivery. This results in fewer shipments and substantial savings!

- Year round follow up of instruments, spares and consumables
- Handling of all shipments & logistics
- Annual reports per vessel including budgeting



Safety

QA – strict routines and logging

- Crew are able to use instruments and follow routines correctly
- Instruments are in proper working condition at all times
- Instruments are calibrated at correct intervals
- Sensors and other items are replaced at correct intervals
- Usage of instruments is logged, including abnormal observations
- Traceability – instrument history and usage
- Routines and procedures can merge into the overall QA-system

Effective and proven training is an integrated part of The Bruusgaard System.

Instruments

All the equipment used for gas detection and calibration is placed in a custom-made wall cabinet. Including Log & Instruction Manual, which are crucial to maintaining the safety integrity.

- Standardised vessel specific gas detector solutions
- Total solutions including all equipment and routines necessary for efficient and safe use, storage and maintenance

Cost Savings

Some of our customers have been able to go from 8 to 10 suppliers down to 1 – translating into cost savings of up to 40-50%. For one vessel, this could be thousands of dollars annually, and for a whole fleet, the cost savings can be dramatic. This is achieved through:

- One contact for worldwide supply of spares & gases
- All service and calibration can be done on site.
- Reductions of instrument types from 10-12 to 2-3

Reduced maintenance costs through:

- On board calibration
- Fewer instruments on board
- No need for spares on board
- One PO per year
- Increased safety
- Less use of administrative time