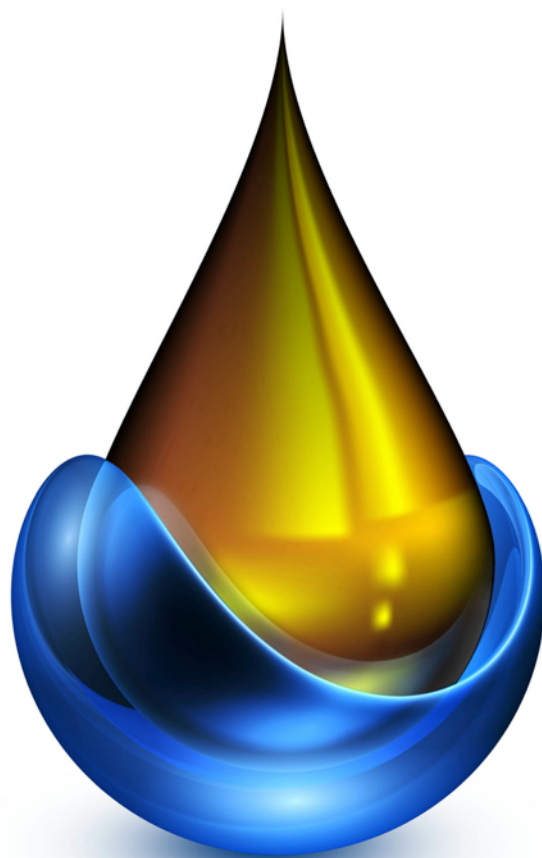


keep it clean

2021 Catalogue

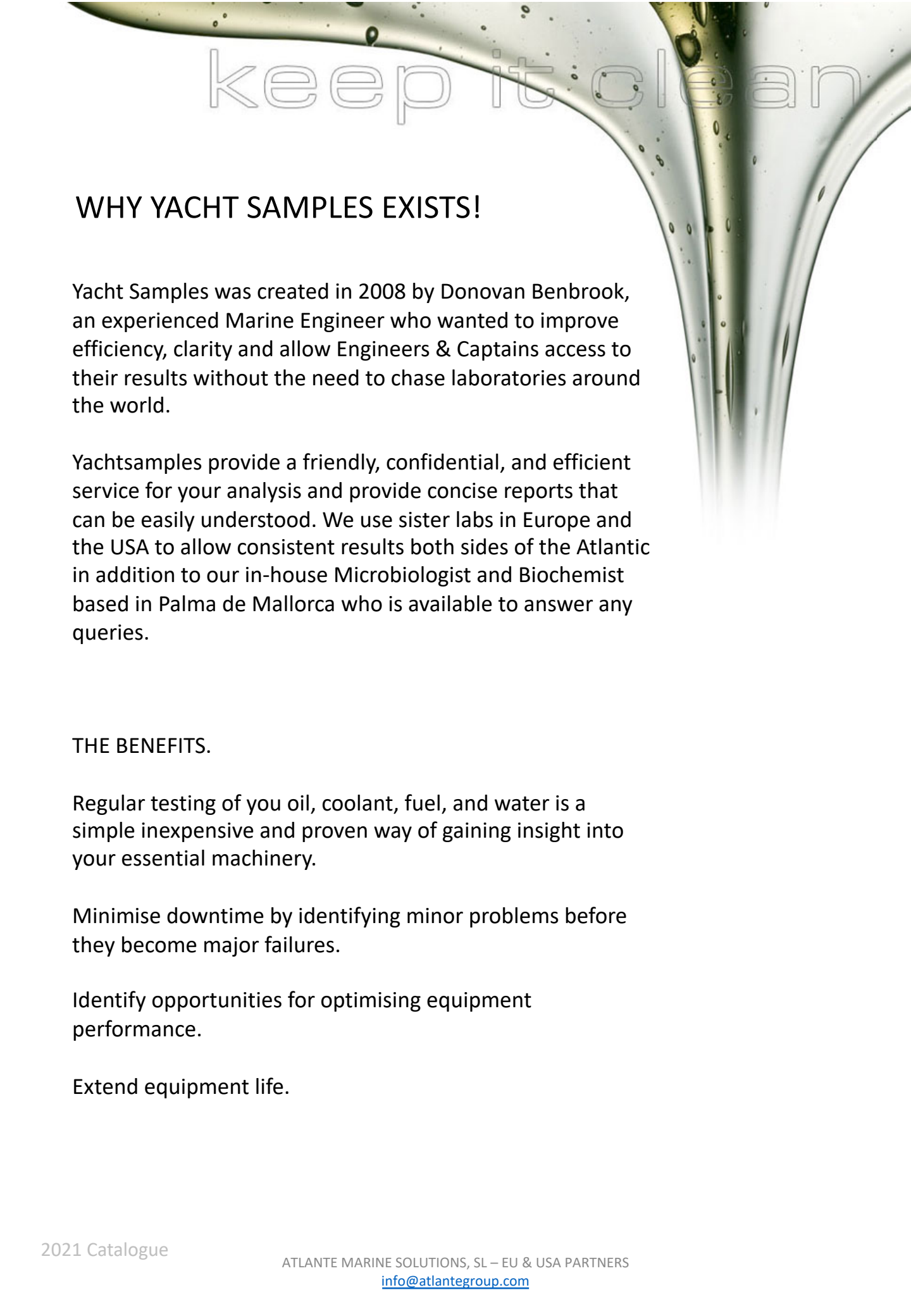


yachtsamples

Fluid Analysis & Condition Monitoring



ATLANTE MARINE SOLUTIONS, SL – EU & USA PARTNERS
info@atlantegroup.com



keep it clean

WHY YACHT SAMPLES EXISTS!

Yacht Samples was created in 2008 by Donovan Benbrook, an experienced Marine Engineer who wanted to improve efficiency, clarity and allow Engineers & Captains access to their results without the need to chase laboratories around the world.

Yachtsamples provide a friendly, confidential, and efficient service for your analysis and provide concise reports that can be easily understood. We use sister labs in Europe and the USA to allow consistent results both sides of the Atlantic in addition to our in-house Microbiologist and Biochemist based in Palma de Mallorca who is available to answer any queries.

THE BENEFITS.

Regular testing of you oil, coolant, fuel, and water is a simple inexpensive and proven way of gaining insight into your essential machinery.

Minimise downtime by identifying minor problems before they become major failures.

Identify opportunities for optimising equipment performance.

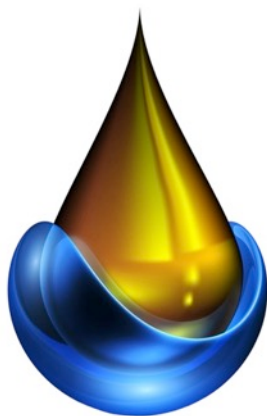
Extend equipment life.

keep it clean

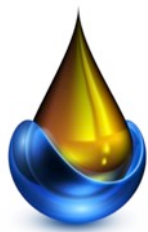
INDEX

Fuel Analysis & Condition Monitoring

1. Fuel
2. Oil & Coolant
3. Water Analysis



yachtsamples



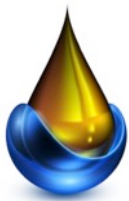
Yacht Samples

Fluid Analysis & Condition Monitoring

1. FUEL

Price List Summary

• Fuel Cleanliness Check –	€98
• Bunker Fuel Analysis –	€195
• Advanced Fuel Analysis –	€550
• FAME Percentage –	€125
• Microbmonitor GMF –	€44
• Retro Fit Fuel Drip Samples –	€310
• Vacuum Pump –	€59
• Sampling Tube –	€40



Yacht Samples

Fluid Analysis & Condition Monitoring

Fuel Cleanliness Check

Ensure you are running clean fuel

TESTS FOR

€98

ICP Elements
ISO Code & Particle Count
Water KF in PPM
Bacteria & Fungi



Bunker Fuel Analysis

Meets ISO requirements, follows good practices laid out by Flag State and MCA

TESTS FOR

€195

ICP Elements
ISO Code & Particle Count
Water KF in PPM
Bacteria & Fungi
Sulphur Content
Closed Cup Flash Point
API Gravity



Advanced Fuel Analysis

An in depth analysis for suspect fuel or tanks

TESTS FOR

€550

ICP Elements	API Gravity
ISO Code & Particle Count	Water & Sediment
Water KF in PPM	Cetane Index
Sulphur Content	Distillation Profile
Closed Cup Flash Point	Pour Point
Bacteria & Fungi	Ash %



FAME Percentage

Ensure FAME levels are within accepted limits

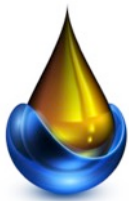
TESTS FOR

€125

Analysis determines percentage of Fatty Acid Methyl Ester content in fuel



Each fuel analysis includes fuel sample bottle, mailing label, analysis and access to Horizon account for data storage and trend analysis



Yacht Samples

Fluid Analysis & Condition Monitoring

MICROBMONITOR GMF

Field Test Kit for microbes in fuel

Test Time: Up to 4 days

Sensitivity: 400CFU/100ml

MICROBMONITOR[®]GMF



€44

The MicrobMonitor GMF is an easy to use test kit for microbial contamination in diesel and marine fuels with simple to read, reliable results. A small sample of fuel is added into a bottle containing a specially formulated gel. The tests bottle is then placed in a warm location and the number of microbial colonies forming units (CFU) that develop indicates the severity of the contamination. Each box includes a single MicrobMonitor GMF test, a sterile sampling container and a sterile disposable dispenser for measuring fuel sample.

Product Features:

Designed for use with today's marine and diesel fuels, including biofuels and biofuel blends. Optimised for simple testing with easy to understand results.

Quick and easy to use on-site.

All you need to take the sample and perform the test is included – no additional equipment needed.

Detects even at low contamination levels to give early warning of potential problems.

Detects active growth of moulds (including *Hormoconis resinae*), yeasts and bacteria.

Also detects microbial spores – these can be an important indicator of contamination status when testing fuel samples which do not contain water.

Unaffected by biocides or other fuel additives; does not give false positives in the presence of dead microbes so can assesses the effectiveness of biocide treatments quickly.

MicrobMonitor GMF uses the same CFU technology as laboratory standard test methods IP 385 and ASTM 6974.

The number of CFU indicated by MicrobMonitor GMF provides an assessment of the extent of microbial contamination in the tank or system. CFU counts have been shown to provide one of the most reliable indications of tank contamination status.



Yacht Samples

Fluid Analysis & Condition Monitoring

Retro Fit Fuel Drip Sampler

A fuel drip sampler designed for the yachting industry



Low cost answer to
MARPOL ANEX VI

€310

Copper tube inserted through the entire internal diameter of the fuel drip sampler ensures you get a complete reliable sample

Standard sizes include 2", 2.5" and 3" couplings

*fuel sample bottle sold separately

Vacuum Pump

Standard method of extracting for sampling

Handheld Vacuum Pump

€59

For taking samples, comes in black plastic case



Sampling Tube

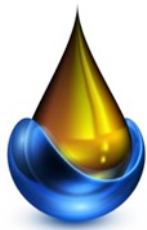
Standard tube for sampling, can be cut to fit

Sampling Tube

100 ft (30m) ¼"

€40





Yacht Samples

Fluid Analysis & Condition Monitoring

2. OIL & COOLANT

Price List Summary

- | | |
|-------------------------------|-----|
| • Complete Oil Analysis Kit – | €55 |
| • Coolant Analysis kit – | €75 |

Additional Material

- | | |
|--------------------------------------|------|
| • Fuel Sample Bottle - Aluminium – | €12 |
| • Cubitainers – | €185 |
| • Simplo Jar – | €8 |
| • Oil/Coolant Sample Jar - Plastic – | €4 |



Yacht Samples

Fluid Analysis & Condition Monitoring

Complete Oil Analysis Kit

Engine Oil

Hydraulic Oil

Gear Oil

Sterntube Oil

Engine Oil Analysis

Elemental Metals by ICP
Water % by Crackle
Viscosity @ 40 degrees
Celsius or 100 degrees
Celsius
Fuel Dilution %
Soot %
Total Base Number
Oxidation/Nitration



Non-Engine Oil Analysis:

Elemental Metals by ICP
Water % by Crackle,
Viscosity @ 40 degrees C
or 100 degrees Celsius
Total Acid Number
*Oxidation/Nitration
*Particle Quantifier
(Ferrous Density)
*Particle Count (Calibration
11171)

*Component type determines testing

**€55 per
test kit**

Each kit includes prepaid analysis, sample bottle, shipping envelope and mailing label. Minimum order quantity of 10 Kits.

Coolant Analysis Kit

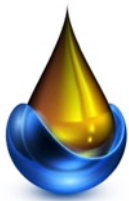
Elemental Metals by ICP
Antifreeze % (Ethylene or
Propylene Glycol)
Freeze Point
Nitrates
SCA Number
Total Hardness
pH
Boil Point
Specific Conductance

HPLC (Benzotriazole,
Tolytriazole, Mercaptoben-
zothiazole, Benzoic Acid,
Sebacic Acid, 2-Ethyl-hexanoic
Acid, Octonooic Acid, P-Toluic
Acid)
Visuals (color, oil, fuel, foam,
magnetic precipi-tate, non-
magnetic precipitate, odor &
foam)



**€75 per
test kit**

Each kit includes prepaid analysis, sample bottle, shipping envelope and mailing label. Minimum order quantity of 10 Kits.



Yacht Samples

Fluid Analysis & Condition Monitoring

Fuel Sample Bottle - Aluminum

Preferred shipping bottle

900 mL Aluminum
Fuel Sample Bottle

**€12
each**



Cubitainers

Drip samplers use disposable 'cubitainers'.

Cubitainers
24 pcs, 5 litre size

€185



Simplo Jar

Avoid spilling or cross-contamination

100 mL Simplo Jar

€8 each

Pre-charged vacuum
eliminates the need
for pump

Works in any position,
even upside down



Oil/Coolant Sample Jar - Plastic

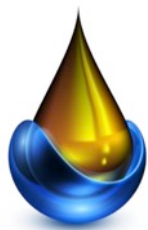
Standard sample jars for oil/coolant

90 mL plastic
sample jar

**€4
each**

Standard white
plastic jars for
oil/coolant sampling





Yacht Samples

Fluid Analysis & Condition Monitoring

3. Water Analysis

Legionella field test kit options from hydrosense - Price List Summary

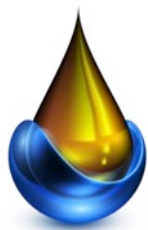
• Single Use –	€65
• Industrial –	€320
• Direct –	€499
• Swab –	€285
• Risk Assessment –	€230

Field Test Kit for microbes in potable & Recreational water

• MicrobMonitor AQUA –	€12
------------------------	-----

All test kits are designed to be used on-site and require no training or experience, providing results in just 25 minutes.

Details on next page....



Yacht Samples

Fluid Analysis & Condition Monitoring

SINGLE USE Legionella Field Test (Serogroup 1)

Results obtained in less than 35 minutes.

Number of tests included: 1
Test Time: <35 minutes
Sensitivity: 100CFU/L
Description: SINGLE TEST KIT

€65

The Single Syringe test kit, is the most flexible kit in the Hydrosense range.

The filtration step concentrates the Legionella improving the sensitivity. It is designed for any hot and cold water system, showers and can be used in industrial water systems (e.g. cooling towers) and domestic water systems.

Test Kit Details

Technical Info:

Highly Sensitive test

Sample Type: water collected from any source

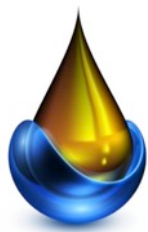
Sample Volume: 250 ml

Sensitivity: 100CFU/L

Pack Size: 1



Single Syringe Test Kit is highly sensitive thanks to the filtration process. It provides sensitivity of 100 CFU/L. The kit includes 1 test, and tools that allow filtration of water and concentration of the bacteria. The kit is very flexible and allows water testing from any source. It is recommended in higher risk industries such as hospitality, health care, cooling towers and others



Yacht Samples

Fluid Analysis & Condition Monitoring

INDUSTRIAL Legionella Field Test Kit (Serogroup 1)

Results obtained in less than 35 minutes.

Number of tests included: 5

Test Time: <35 minutes

Sensitivity: 100CFU/L

€320

Industrial Field Test Kit is very similar to the Single Syringe Test.

It also provides sensitivity of 100 CFU/L. The only difference is the way of collecting the sample. The Industrial kit includes sample point that connects to the pipe fitting. It allows water testing from sources such as cooling towers, showers, water tanks, pipe fittings in domestic and industrial water systems.

Test Kit Details

Technical Info:

Highly sensitive test

Sample Type: water sample obtained by connection to pipe fitting

Sample Volume: 250 ml

Sensitivity: 100 CFU/L

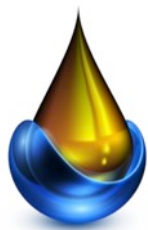
Pack Size: 5 Tests

Less than 10 minutes filtering and 25 minute test



The Industrial test kit includes a sample connection point that easily installs into standard plumbing fitting. The sample point can be left in-situ for convenient repeated tests.

Similar to the Single Syringe Test Kit it is highly sensitive thanks to the filtration step. The sample point supplied allows water samples to be easily obtained from plumbing connections provided in installations including: industrial cooling towers, large water systems in hotels, residential and commercial properties. It can also be used in showers.



Yacht Samples

Fluid Analysis & Condition Monitoring

DIRECT Legionella Field Test Kit (Serogroup 1)

Results in 25 minutes.

Number of tests included: 10

Test Time: 25 minutes

Sensitivity: 100,000CFU/L

€499

The Legionella Direct Field Test™ Kit is the simplest kit in the Hydrosense range.

Requiring no sample preparation. The water can be collected from any source. Use the pipette provided to put 0.1 ml of water onto a test strip and wait 25 min. for the results. The test kit is optimised for use with hot and cold water systems, whirlpool spas, showers, cooling towers and other industrial water systems.

Test Kit Details

Technical Info:

Basic test kit

No Recovery Buffer

No Sample prep

Sample Type: water from any source

Sample Volume: 0.1 ml

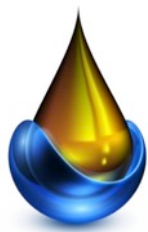
Sensitivity: 100,000 CFU/L 100CFU/ml

Pack Size: 10 Tests

Result in 25 minutes



Direct Test Kit is the least sensitive in our range. It provides sensitivity of 100,000CFU/L. It is very simple and flexible, it works just like a pregnancy test. You put a drop of water on the test and wait 25 minutes for the results. In the kit there are 10 test strips. It allows frequent sampling at lower sensitivity. It is not recommended for high risk industries and risk areas such as hospitality, health care or cooling towers.



Yacht Samples

Fluid Analysis & Condition Monitoring

SWAB Legionella Field Test Kit (Serogroup 1)

Results in less than 35 minutes

Number of tests included: 5 or 1
Test Time: <35 minutes
Sensitivity: 200CFU/Swabbed area

€285

The Swab test kit is intended for sampling surface biofilms.

Legionella grows in biofilms, therefore testing the surface of shower heads, air conditioning units, water tanks, taps etc. gives a very accurate picture of the condition of your water system. If Legionella is present, then the Swab test is very likely to detect it from the biofilm

Test Kit Details

Technical Info:

For Detecting Legionella in Biofilms

- Surface of water tanks
- Shower heads
- Air conditioning units

Sample Type: surface areas

Sample Volume: N/A

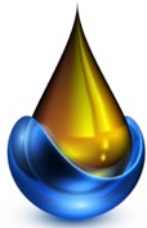
Sensitivity: 200 CFU per swabbed area

Pack Size: 5 Tests

2 minutes to sample and 25 minute test



Swab Test Kit allows Legionella detection from surfaces and biofilms. Instead of collecting water, you swab the area to obtain biofilm sample. Since Legionella grows in biofilms the swab kit allows sampling directly from the source, which makes it very accurate and highly sensitive. This kit is very useful for locating the source of infection. The sensitivity of the kit is 200 CFU/swabbed area. The Swab Tests can be purchased in sets of 5 or 1. (€64.94/for one or 5 for €318.50)



Yacht Samples

Fluid Analysis & Condition Monitoring

RISK ASSESSMENT Legionella Field Test Kit (Serogroup 1)

Results in less than 35 minutes

Test Time: <35 minutes

Number of tests included: 2 water, 2 swab

Sensitivity: 100CFU/L and 200CFU/Swabbed area

€230

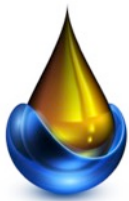
Risk Assessment Test Kit – combination of two Single Syringe Tests and Two Swab Tests

Overview of Legionella Test Kit Options

Different kits have been developed to satisfy the needs of customers from a wide variety of industries. The range includes a basic water test as well as biofilm kits and highly sensitive test kits with a filter.



	Single Syringe Test Kit	Industrial Test Kit	Swab Test Kit	Risk Assessment Test Kit	Direct Test Kit
Sample Any Water Source	•	•		•	•
Sample Biofilm			•	•	
Direct Pipe Fitting		•			
Filtration To Enhance Sensitivity	•	•	•	•	
Excellent Sensitivity (100 CFU/l water, 200CFU/area swabbed biofilm)	•	•	•	•	
Good Sensitivity (100,000 CFU/l water)					•
Test Time (from sample to result)	< 35 minutes	< 35 minutes	< 35 minutes	< 35 minutes	25 minutes
Tests Included	1	5	5	2 Water, 2 Swab	10



Yacht Samples

Fluid Analysis & Condition Monitoring

MICROBMONITOR AQUA

Field Test Kit for microbes in potable & Recreational water

MICROBMONITOR[®] AQUA™



€21

The **MicrobMonitor AQUA** test is a simple, easy to use test kit for quantitative detection of bacteria that can contaminate water. This is known as the Heterotrophic Plate Count (HPC), also called the Total Viable Count (TVC) or the Aerobic Colony Count (ACC).

MicrobMonitor AQUA uses the same principles as standard laboratory methods for HPC but it can be performed on-board and on-site including in remote locations with no access to laboratory facilities.

Product Features:

What are the Product Advantages?

- Can be used in the field, on-site and on-board.
- Safe—no exposure to hazardous microbia cultures
- Flexible—works with any water sample.
- Quantitative, indicates the severity of contamination not just the presence of microbes as with “go,
- With most stringent HPC limits.
- Contamination limits and detection levels can be user defined for specific facilities and operations.
- More cost effective than standard laboratory tests.

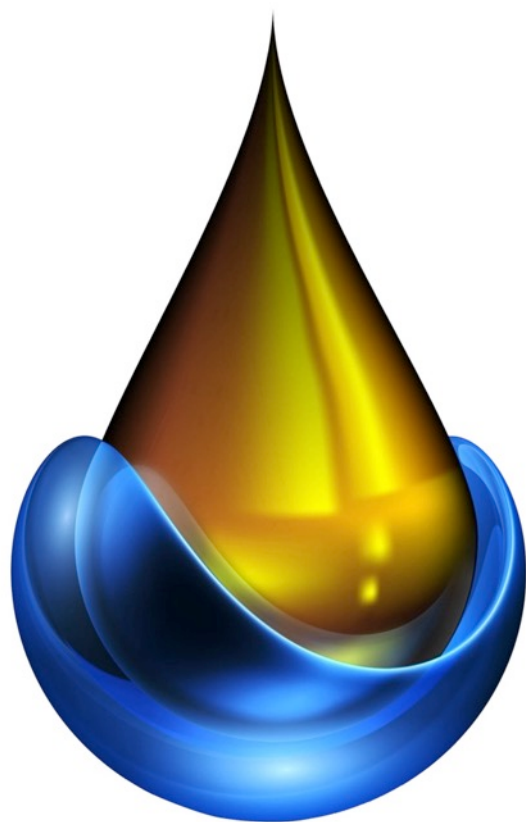
What Samples can I test?

The test can be used to test samples from:

- Potable water
- Hot water systems
- Recreational water facilities such as swimming pools and spa baths

keep it clean

If you require any further analysis than already stated or if you wish to discuss any parts of your on board analysis requirements, please give us a call or email us and we will find an affordable solution to any problems you may have.



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Fluid Analysis & Condition Monitoring

www.yachtsamples.com