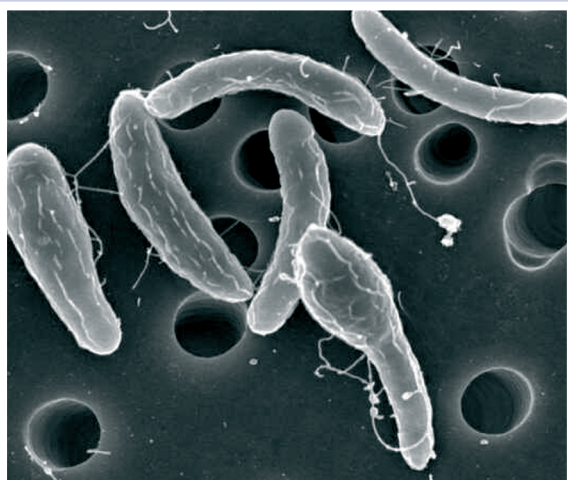


ONE INSTRUMENT – MULTI PURPOSE

No other test equipment on the market today allows you to separately detect bacterial and fungal contamination on-site in less than an hour.



BACTIQUANT® WATER

ANALYZE TOTAL BACTERIA IN MINUTES

APPLICATIONS

Source water/raw water quality
Water Plant (Operations, process control)
Industrial Process Water (CIP, Food stuff production)
Distribution Systems (Finished water, WSP)
Verification HACCP
Sustainable Systems (Recycle and closed loops systems)
Technical water (Electronics, cooling towers, humidification)
Tracking and delineating pollution events
Effluents
Recreational water
Water Biostability Assessment

ADVANTAGES

Timely results
Respond quickly
Maintain control
Enhance water safety
Optimize water treatments
Increase system reliability
US-EPA Verified Technology 2012

WHAT IS BACTIQUANT®-WATER?

Bactiquant is a robust and reliable analysis tool for detecting and quantifying total bacteria in water samples. Analysis results are available in minutes and can be used on a wide range of water types, regardless of chemical and physical characteristics. The analysis results are highly reproducible and repeatable.

EASY SAMPLING AND ANALYSIS

Bactiquant®-water facilitates multiple modes of sampling. Sample directly from pressurized water systems, use sample bottles or grab samples using a syringe. The analysis is robust and rapid (10-30 minutes) and consist of three easy steps:

1. Concentration of bacteria
2. Reacting with sample
3. Measurement

MONITORING IN CRITICAL CONTROL POINTS

The real value of monitoring microbiological water quality lies in the early detection of deviations from the normal condition, based on frequent long term monitoring. Therefore the starting point for gaining the full potential of the Bactiquant Technology is to establish baselines for normal operation at Critical Control Points. The Bactiquant Data Handling Software is then used to establish operational thresholds, based on historic data and simple statistical calculations (ISO 11462-1). The software provides the operator with a rapid and comprehensive overview of water microbiological quality and easily interpretable results.

PRODUCT PACKAGE FOR THE INDUSTRY AND UTILITIES

Mycometer offer Bactiquant®-water in a unique System Package which includes: Portable and Stationary Analysis Equipment, Data Handling Software, Training and a Quality Assurance Program.

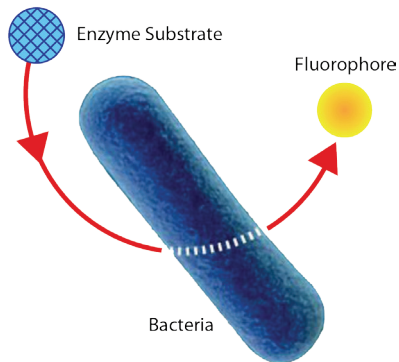


Bactiquant® Water provides rapid results in near real time for systematic monitoring of water quality. Bactiquant® Water is based on ten years experience of providing robust and reliable technology to professionals and the industry.



TECHNOLOGY




The bacteria are quantified by use of an enzyme targeted analysis. The enzyme activity is measured by use of a highly sensitive fluorescence technology. The chemistry is simple and robust. There is no need for extraction procedures or altering of microbial cells. The enzyme assays are easily adjusted to different sample matrixes and provide a highly specific and sensitive means of quantifying bacterial presence



The fluorescence signal is directly proportional to the content of bacteria, making interpretation rapid and reliable. The Bactiquant®-water method is a patented method currently in use worldwide (US 7.939.285).

INTERPRETATIVE CRITERIA

Bactiquant®-water can be used to establish baseline data for water quality. Routine measurements can then be used to detect deviations from baseline and allow immediate actions to be taken. An example:

-  Best quality – no activation of control measures.
-  Between best quality and unacceptable quality – control measures may be activated.
-  Unacceptable quality – High risk of exceeding tolerance limits for total bacteria in water – control measures activated.

SENSITIVITY AND SPECIFICITY

Bactiquant®-water targets a broad spectrum of bacteria, representing all major taxonomic groups, including gram positive, gram negative, aerobic and anaerobic bacteria.

Bactiquant®-water is very sensitive to the presence of bacteria in water samples as the analysis includes suspended bacteria as well as bacteria immobilized on particles or in aggregates. With the Bactiquant®-water, bacterial contaminants can be concentrated from large volumes of water allowing low analysis time even at relatively low bacterial concentrations. Sensitivity can be adjusted by varying sample volume and reaction time.



ABOUT MYCOMETER

For over ten years Mycometer has developed, rapid, robust onsite microbiology methods for environmental and industry professionals. Our products are US-EPA Verified and they have been distinguished by the ASHRAE Technology Innovation Award and our methods have been published in peer reviewed scientific journals. Our products are constantly being evaluated for new applications as well as validated for use by our extensive international research network, including universities, public research institutions and private enterprises.

FOR QUESTIONS OR TO ORDER CONTACT:

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