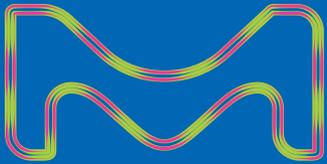


Millipore®

Filtration, Separation
& Preparation

Bottled Water Analysis



The life science business of Merck
operates as MilliporeSigma in the
U.S. and Canada.

MERCK

There are many different regulations and methods for testing bottled water, depending on the type of water and the country or region of the world. In our microbiology product range you will find all the equipment you need to perform your microbiological analysis of bottled water.

From hardware such as manifolds, vacuum pumps and membrane dispensers, through to disposable funnels, membranes, and media, both ready to use and dehydrated, to rapid microbiology solutions to reduce the time to result of your test. Our products offer you convenience partnered with ease of use and security of testing required in modern day microbiology laboratories.



The EZ-Family

The EZ-Product family includes the EZ-Fit™ Manifold, the EZ-Pak® Dispenser Curve, the EZ-Stream™ Pump, the EZ-Fluo™ Rapid Detection System and the EZ-Fit™ Filtration Unit. In combination, these products provide optimal performance and streamline your bioburden analysis workflow.

EZ-Fit™ Filtration Unit

The EZ-Fit™ Filtration Unit is a disposable filtration device for bioburden testing of liquid samples including water, in-process samples, and final products.



EZ-Fit™ Manifold

The EZ-Fit™ Manifold makes laboratory filtration easier. Its unique design includes quick-fit connections for assembly and disassembly without tools and a low profile to increase operator comfort. Plus, all internal areas are accessible for easy cleaning, facilitating biofilm prevention. Different filtration heads, all with quick-fit connections, make the manifold compatible with disposable filtration devices, stainless steel and glass funnels.



EZ-Pak® Dispenser Curve

The dispenser provides high-speed sterile membrane dispensing with no-touch operation. The new, improved design allows for quick and easy membrane loading.



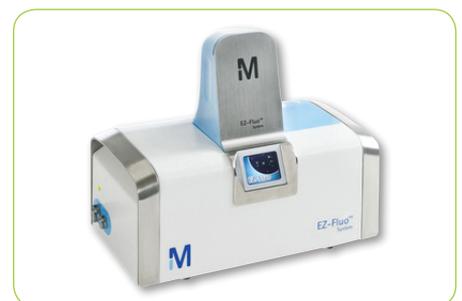
EZ-Stream™ Pump

Completing your filtration set-up, the EZ-Stream™ Pump increases efficiency. Fluid flows directly through the pump to waste, eliminating the need for intermediate waste containers. The pump is designed for quiet operation, and the vacuum level is compliant with regulatory standards.



EZ-Fluo™ Rapid Detection System

The EZ-Fluo™ Rapid Detection System is an easy-to-use, non-destructive, fluorescent staining-based system for rapid detection and quantification of microbial contamination in filterable samples.



Culture Media

Our GranuCult™ and ReadyPlate™ and ReadyTube™ culture media are all performance tested according to ISO 11133:2014 and released through ISO/IEC 17025 accredited laboratories. This enables our customers to reduce their incoming quality control tests. But there is even more we do to make compliance easy for you: You can find all information regarding compliance with additional reference standards on the product label (Figure 1). All it takes is one glance. Additionally, for the creation of the new ISO9308-1:2014 (*Water quality – Enumeration of Escherichia coli and coliform bacteria*) it was the Chromocult Coliform agar from Merck which is THE ORIGINAL and THE ONLY medium used to develop and publish this new ISO. (Letters in Applied Microbiology ISSN 0266-8254)



Figure 1. The label shows the most important information all in one place.



ReadyPlate™ 55 and ReadyPlate™ 55 KIT

ReadyPlate™ 55 introduces easy membrane handling through high fill level, ready-to-use 55 mm agar plates. ReadyPlate™ 55 is also available in a variety of certified kits which combine the 55 mm agar plates with the matching membranes needed for testing.



GranuCult™ Dehydrated, granulated microbiology media

GranuCult™ is the new brand name for our existing granulated dehydrated culture media which apply to new EN ISO 11133:2014 and various other ISO standards and FDA-BAM / USDA-FSIS methods for testing of food and water samples. All these media have been updated to be fully compliant to the latest version of these standards and regulations with respect to composition and quality control.



Environmental Monitoring

It is not only the water sample which you need to consider but as well the environment in which you are manufacturing and the personnel who are working in that environment. Merck have all equipment and consumables needed for your environmental analysis

The MAS-100® Series

Merck's MAS-100® series is the most complete and accurate system for reliable and easy monitoring of ambient air.



The RCS® Series

Merck's RCS® series is renowned for safe and reliable environmental monitoring of ambient air and compressed gases.



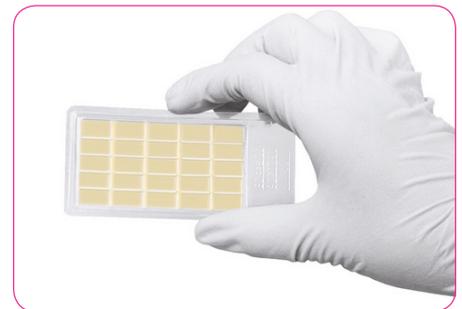
Contact Plates

Merck contact plates are the ideal match for our MAS-100® Air Sampling Systems. They are available for non-critical areas as well as for critical areas.



HYCON® Contact Slides

HYCON® contact slides are the perfect media for microbial testing of flat and curved surfaces.



Swabs & Dip Slides

Merck's swabs & dip slides are ideal for microbial monitoring of difficult to reach areas.



HY-RiSE® Test Strips

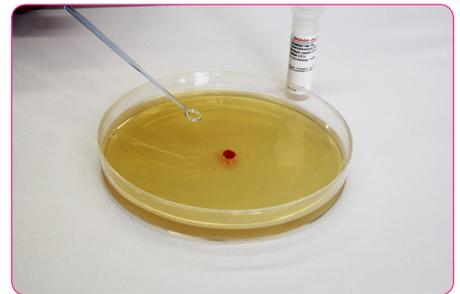
HY-RiSE® Test Strips are the perfect media for checking the cleanliness of surfaces.





Analytical Standards and Certified Reference Materials

Vitroids™ and LENTICULE® discs contain viable microorganisms in a certified quantity (ISO 17025), produced under reproducible conditions (ISO Guide 34) with strains obtained from CECT®, NCTC and other collections. The discs consist of bacteria or fungi in a solid water soluble matrix. Microorganisms in this form are stable for at least one year and are in a viable stage (no lag phase or recovery time).



Biochemical Reagents for Identification

A diverse range of biochemical reagents are known for the identification of certain metabolisms and to differentiate between bacteria.

Classical biochemical tests are often used to identify microorganisms; the results are seen by colour change. In most cases, detection is based on the reaction of an enzyme with a certain substrate. Also, methods to detect certain metabolites by chemical reaction and or complex building techniques are used. At the end, a colour change gives a result that leads to greater cognition of the unknown organism.



For more details on what Merck can do for Bottled Water testing please visit:

www.SigmaAldrich.com/bottled-water

Contact us for more information

For more information on any of our products, contact your local Merck representative or call us at the following numbers.

Austria

+ 43 1 360 277 1404
bios.salessupportAT@merckgroup.com
Fax: 0820 87 44 44

Belgium

02 686 08 98 (French speaking)
02 686 08 99 (Dutch speaking)
bios.salessupportBE@merckgroup.com
Fax: 070 225 644

Denmark

+ 45 823 327 85
bios.salessupportDK@merckgroup.com
Fax: 70 105 644

Finland

+ 358 9 81 710 279
bios.salessupportFI@merckgroup.com
Fax: 0203 05 644

France

03 90 46 86 27
bios.salessupportFR@merckgroup.com
Fax: 0825 045 644

Germany

+49 6151 3599 304
bios.salessupportDE@merckgroup.com
Fax: 01805 045 644

Ireland

+ 353 1 605 8402
bios.salessupportIE@merckgroup.com
Fax: 1890 924 884

Italy

+ 39 02 25078264
bios.salessupportIT@merckgroup.com
Fax: 848 845 644

Luxembourg

Tel. 02 686 08 98
E-mail: bios.salessupportBE@merckgroup.com
Fax: 070 225 644

The Netherlands

020 567 5551
bios.salessupportNL@merckgroup.com
Fax: 0900 7 645 644

Norway

+ 47 810 62 646 (wait for Commercial Support)
bios.salessupportNO@merckgroup.com
Fax: 81062 644

Portugal

+ 34 911 316 268
bios.salessupportPT@merckgroup.com
Fax: 034 917 292 909

Spain

+ 34 911 316 268
bios.salessupportES@merckgroup.com
Fax: 902 011 644

Sweden

+ 46 851 992 366
bios.salessupportSE@merckgroup.com
Fax: 0771 200 644

Switzerland

+ 41 22 567 5221 (French & German speaking)
bios.salessupportCH@merckgroup.com
Fax: 0848 645 644

UK

+ 44 1923 813 368
bios.salessupportGB@merckgroup.com
Fax: 0870 900 4644

Merck KGaA
Frankfurter Strasse 250
64293 Darmstadt
Germany

Merckgroup.com

