

BLUEPHAGE's team of world-renowned experts in basic and applied microbiology and virology in water testing methods tap into 35+ years of knowledge and know-how developed at the University of Barcelona within the MARS research group (Water Microbiology Related to Health).



Bluephage is currently seeking strategic partners and investors.

To learn more about our products and request information, please contact:

market for environmental testing of water.

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Safe water for a better world

Bluephage's ground-breaking viral indicator tests based on somatic and F-specific coliphages will change water quality testing as we know it today!





A NEW APPROACH **FOR WATER TESTING**



Get your lab ready and up-to-speed on testing for coliphages using Bluephage's microbiological reference materials and methods in a ready to go lab kit.





Going viral with bacteriophages!

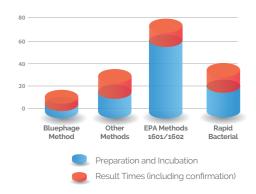
Coliphages as faecal indicators mimic enteric viruses better than any other group of viral indicators. As a surrogate, coliphages present typically in much higher concentrations making them easier to enumerate. Coliphages also persist and disperse in the water environment and resist wastewater treatment better than most bacterial indicators, particularly E.coli and Enterococci.

Their size, 50 times smaller than bacteria abundance and persistence in nature combined with resistance to treatment processes allow coliphage to serve as the ideal proxy indicator of viral contamination in water.



Kits using Standard EPA and ISO methods:

- Kits designed depending on knowledge of the (basic, advanced or complete kit)
- Kits designed depending on application:
- · Drinking water kit (quantification in 100 mL)
- Raw and treated wastewater, Surface water, recreational water, shellfish extracts, sediments and sludge extracts where necessary after dilution (1 mL)





Innovation

Rising health threats in water

Drivers

Increasing public awareness

Changing regulatory landscape

Biological Materials for coliphages' analysis: Host Strain working culture

- E.coli HS

- фX174

- E.coli WG5

- MS2
- Salmonella typhimurium WG49

Rapid methods kits: using a colorimetric patented method

- Analysis of somatic coliphages in 4 hours
- Analysis of both somàtic and F-specific coliphages in 4 hours
- Analysis of F-specific coliphages in 4 hours.



indicators of water quality. Regulations are already in effect in Australia, Canada, Colombia, USA and France. The next European Drinking Water Directive, which is about to be approved, includes coliphages as a standard microbiological water quality parameter. EPA of US has working in a new regulation related to Recreationl Water Quality Criteria (RWQC) that includes

Water safety, scarcity and scientific breakthroughs

in coliphage are driving health authorities actions.

New regulations across the globe now include the use of coliphages as

bacteriophages.

for routine water evaluation.

Testing for coliphages will become a new parameter

Are you Ready to meet the new standard?

Laboratory Industrial Agriculture Environmental Government

Recreational Water | Drinking Water | Wastewater & Reclaimed Water Groundwater | Farm & Well Water | Food & Beverage | Biosolids

Rapid Method Features

Quick Results	High Sensitivity	Equivalence	Easy-to-Use	No Prep Time	No Special Training	Test Results	Storage
Quick results < 5 hours Preliminary results obtained < 3 hours, enabling same-day response	High sensitivity detection ->1 PFU	Equivalent results as compared with EPA and ISO standardized methods	Requires only basic laboratory equipment - 37°C incubator	No culture preparation needed	Off the shelf lab kit streamlines into existing protocols	- Presence/ Absence - Quantification (MPN) - Quantification Calorimetric	Better persistence of coliphages allows sample storage at 4°C for at least 48 hours. Small samples for months at -20°C or -80°C after addition of 10% v/v glycerol. "Stress," "injury," and "reactivation," do not affect bacteriophages
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Services

Bluephage offers consulting and research services to companies requiring custom guidance across the microbial water quality assessment.

www.bluephage.com

