



Maintain Water Safety

Enterococcus faecalis is a gram-positive cocci commonly isolated from the intestines of humans and animals. The presence of *E. faecalis* in water is one of the most widely accepted indicators of fecal pollution and the potential presence of enteric pathogens.

EPA Method 1611 describes a rapid procedure that measures the large subunit ribosomal RNA (lsrRNA, 23S rRNA) target sequences from all known species of Enterococci in water. The [ATCC® *Enterococcus faecalis* Quantitative DNA Standard \(ATCC® 29212Q-FZ\)](#) was developed to meet the unique needs of this qPCR-based Method by providing a set of 3 DNA dilutions at known concentrations. [Order](#) the product today!

In addition to the *Enterococcus faecalis* Quantitative DNA Standard, ATCC also offers a wide range of products that support both culture- and molecular-based methods of microbial detection in recreational, pharmaceutical, and environmental water samples. Please visit us online at www.atcc.org/waterQC to learn more about our quality controls for these water sources.

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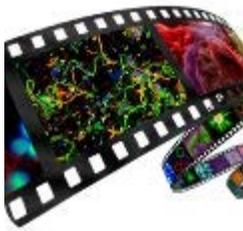
Naegleria fowleri Genomic DNA – Now available!

Naegleria fowleri is a free-living amoeba known to cause a rare brain infection called primary amoebic meningoencephalitis (PAM). Currently, this disease can be diagnosed through a variety of methods, including direct visualization, immunohistochemistry, and polymerase chain reaction.

To support the molecular-based detection of this organism, ATCC now offers genomic DNA isolated from *Naegleria fowleri* strain HB1 ([ATCC® No. 30174D™](#)). This preparation contains approximately 0.5 µg of DNA, and was fully authenticated and characterized by the following analyses:

- Agarose gel electrophoresis to ensure integrity
- PCR to confirm functional activity
- Spectrophotometry to evaluate purity
- PicoGreen[®] to calculate concentration
- Sequencing of the 18S ribosomal RNA gene to confirm identity

For additional nucleic acids, please visit our website at www.atcc.org/genuinenucleics.



ATCC Photo Contest

Get your ATCC microbes ready for their close-ups. Starting on May 21, 2014, ATCC will be looking for microbe images that will steal the show! Send us your most beautiful and scientifically stunning images of ATCC microbes for a chance to win a \$200 gift card.

Images will be judged for beauty and scientific relevance by your colleagues and a select panel of ATCC scientists. Photo contest winners from the Microbiology Collection and Cell Biology Collection will be chosen as follows:

Most Popular Photograph Award – 1 winner per collection

ATCC Excellence Photograph Award – 4 winners per collection

[See photo contest rules >>](#)



Visit ATCC at asm2014 booth #938

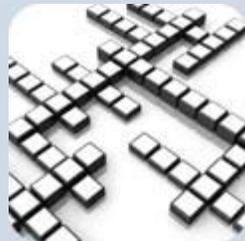
Meet ATCC at asm2014, booth #938, May 17-20, Boston, MA.

Posters:

May 18, 2014 12:30–1:45 PM,
Exhibit Hall B

Development and Verification of Synthetic RNA Controls for Determination of Influenza Virus Load - #584

May 19, 2014 12:30–1:45 PM,



ATCC[®] Crossword Puzzle

Test your microbial expertise with the ATCC crossword puzzle!

[Download the Puzzle](#)

Still puzzled? [View the answers to last month's puzzle](#)



Quiz The Scientist

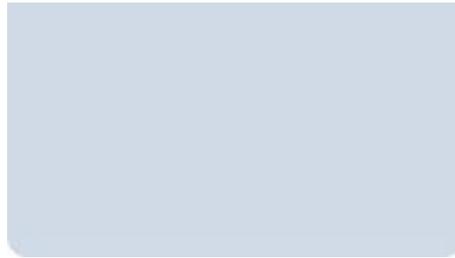
I am a waterborne, pathogenic protozoan known to cause a severe self-limiting enteric infection. Can you guess what I am?

[Click here for more clues](#)

Exhibit Hall B

*Novel Fluorescent Reporters for
Studying Pathogen-host
Interactions - #1637*

We hope to see you there!



Q: The Japanese Pharmacopeia requires the use of *Methylobacterium extorquens* for the quality control of pharmaceutical water. Why is this strain required, and where can I find it?

A: *Methylobacterium extorquens* is a methylotroph capable of oligotrophic growth on one-carbon compounds. As this organism can easily adapt to poor nutrient environments, it is ideal as a quality control standard for growth performance testing of media.

JP 16 G8 4.4.2 of the Japanese Pharmacopeia describes the R2A agar media growth promotion test required for microbiological monitoring of pharmaceutical water. To support this assay, ATCC now offers *Methylobacterium extorquens* strain NBRC 15842 ([ATCC® BAA-2500™](#)) for use as a quality control standard.

In addition to this strain, ATCC also offers a number of other microbial species that meet the requirements of official microbial assays described in the United States Pharmacopeia, the European Pharmacopeia, and the Japanese Pharmacopeia. To view these strains, please download a copy of our [Pharmaceutical Microbiology](#) brochure.

[Have more questions?](#)

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Image of *Cryptosporidium* sp. courtesy of CDC/ J Infect Dis

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