



THE ESSENTIALS OF LIFE SCIENCE RESEARCH  
GLOBALLY DELIVERED™

# micro scoop



## Enhance Rapid Microbial Methods (RMMs) with ATCC® Genuine Nucleics

Molecular-based RMMs are contemporary technologies used to quickly and sensitively detect, enumerate, and identify microorganisms. Within the past several decades, the advancements and

associated benefits of RMMs have begun to accelerate the validation and implementation of various technologies in pharmaceutical quality management procedures. To date, these methods have proven useful in a variety of pharmaceutical sterility assays including the routine examination of microbial limit testing, bioburden assessment, environmental testing, raw materials testing, process water testing, sterility testing, and in-process testing.

To enhance molecular-based RMM procedures, ATCC offers a number of purified nucleic acids and a custom nucleic acid extraction service, allowing the pharmaceutical industry to save both the time and expense associated with nucleic acid extraction and purification....[Read more](#)



## ATCC® Quality Control Strains

ATCC offers a number of quality control strains for use in pharmaceutical research applications. These include clinical diagnostic assay method development and validation according to official regulations, guidance for industry, and other recommendations. Search for microbial strains by:

- [Organization](#)
- [Instrument](#)
- [Pharmacopeial assay](#)

For additional strains, please visit our website at [www.atcc.org](http://www.atcc.org).

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### News this Month

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### Publications

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[Quality Control Strains for Commercial Kits Brochure](#)

### Announcements

[Visit ATCC at asm2014 booth #938](#)

[ATCC Photo Contest](#)

## The Importance of Standards in Molecular-Based Assays

**Presenter:** Liz Kerrigan

*Director, ATCC Standards*

**May 8, 2014**



Stimulated by the presence of emerging and re-emerging microbial threats, the need for molecular-based tests has significantly increased in the last few years. In turn, this has necessitated the use of standardized nucleic acids in clinical laboratories. In this webinar, we will discuss the importance of molecular standards in the establishment of sensitivity, linearity, and specificity during assay validation or implementation, quality assurance, quality control, and proficiency testing, and how the use of standards can contribute to improvements in assay reproducibility and reliability.

Register for a session - [10:00 AM \(ET\)](#) or [3:00 PM \(ET\)](#).



#### Visit ATCC at asm2014 booth #938

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

#### Posters:

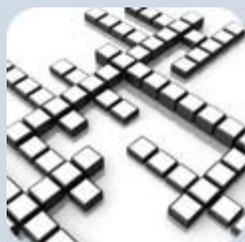
May 18, 2014 12:30–1:45 PM,  
Exhibit Hall B

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

May 19, 2014 12:30–1:45 PM,  
Exhibit Hall B

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

We hope to see you there!



#### 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 methylotroph used in the quality control of water for pharmaceutical use. Can you guess what I am?

[Click here for more clues](#)

#### FAQs

**Q:** How do I process bacterial genomic DNA from ATCC?

**A:** ATCC currently offers bacterial genomic DNA in either the frozen or dried form. Dried bacterial genomic DNA should be resuspended with at least 100  $\mu$ L of an appropriate buffer or liquid such as either molecular-grade water (ATCC® 60-2450) or TE buffer. Place the vial at 37°C for 1 hour or at 4°C overnight to allow the DNA to go into suspension.

Frozen items should be thawed in a 37°C incubator or water bath, and centrifuged briefly prior to opening. Mix the contents thoroughly after removing the cap. For either product format, remember to check the product

information sheet before you proceed.

[Have more questions?](#)



## 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 great prizes. Stay tuned for more details!

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ATCC - 10801 University Boulevard, Manassas, VA 20110

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