



May 2015

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## ATCC Pharmaceutical Quality Control Solutions

Pharmaceutical companies are well versed in the important role of microbiological testing throughout product research and development, process validation, manufacturing, and quality control. To help support the microbiological quality control of pharmaceutical products,

ATCC offers a broad range of superior reference materials, including:

- [Authenticated ATCC Genuine Cultures®](#), such as [ATCC® Minis](#), that support pharmacopeial standards
- [Mycoplasma quality control strains and nucleic acids](#) for the analysis of cell-based products
- [PHARMASSURE Proficiency Testing Program](#) encompassing microbial, chemical, and sterility analyses

With ATCC pharmaceutical quality control solutions, pharmaceutical customers can rely on robust quality systems, strain authentication through genotypic and phenotypic analyses, and meticulous propagation and preservation protocols.

Don't take chances on the quality of your products! Visit us online at [www.atcc.org/PharmaceuticalQC](http://www.atcc.org/PharmaceuticalQC) to browse our collection of pharmaceutical solutions that support your testing needs.



### Visit ATCC at asm2015

Meet ATCC at booth #819 during

asm2015 from May 30 to June 2, 2015 in New Orleans, Louisiana. We plan to showcase our growing collection microbial strains, nucleic acids, and cell lines that support



### Pertactin-negative *Bordetella pertussis*

#### Variants

In recent years, there have been cases of vaccinated individuals contracting pertussis. As pertactin is one of the components of

infectious disease research, quality control, and molecular-based applications.

### ATCC Poster Session

#### Phenotypic and Molecular Characterization of Antimicrobial Resistance in Clinically Important Strains from the ATCC Collection

Dev Mittar, Ph.D.

Lead Scientist, ATCC Microbiology Systems

Poster #2410 – Tuesday, June 2, 2015

12:30 PM – 1:45 PM

We hope to see you there!

pertussis vaccines, there is concern that the emergence of pertactin-negative strains may be contributing to vaccine evasion. To support the research on these variants, ATCC recently added nine clinical strains of pertactin-negative *B. pertussis* to the collection. Each of these strains has been confirmed by the depositor to differ in mutation type and to lack pertactin protein expression.

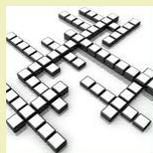
[Order](#) your pertactin-negative *B. pertussis* strains today!



### Quiz the Scientist

I am a pathogenic bacterium that is widely distributed in soil and water. Can you guess what I am?

[Click here for more clues](#)



### ATCC® Puzzle

Test your microbial expertise with the ATCC puzzle!

[Download the puzzle](#)

Still puzzled?

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

### Publications

- [ATCC® Culture Guides](#)
- [Pharmaceutical Microbiology](#)
- [Pneumococcal Polysaccharides](#)
- [Mycoplasma Quality Control](#)



### Frequently Asked Questions

**Q: How many times can I passage my microbial culture?**

**A: We recommend no more than 5 transfers or passages be made from**

an ATCC Genuine Culture<sup>®</sup>. Repeated passage or serial culture increases the risk of contamination and can result in undesirable genotypic and/or phenotypic changes. The recommendation of five passages or fewer from the ATCC reference culture is broadly accepted in the healthcare community and the pharmaceutical and biopharmaceutical industries. U.S. Pharmacopeia Chapter 51: Antimicrobial Effectiveness Testing. U.S. Pharmacopeia National Formulary, 2005 states: "The viable microorganisms used in the test must not be more than five passages removed from the original ATCC stock." ATCC agrees with this recommendation.

For additional information please see [ATCC Technical Bulletin no. 6, Reference Strains: How many passages are too many?](#)

[Have more questions?](#)

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## Quality Control

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## Assay Development

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## Multidrug Resistance

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## Microbiology Resources

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## View from the Petri Dish

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*Klebsiella pneumoniae* image courtesy of National Institute of Allergy and Infectious Diseases (NIAID). *Proteus mirabilis* image courtesy of Dr. John J. Farmer, CDC

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