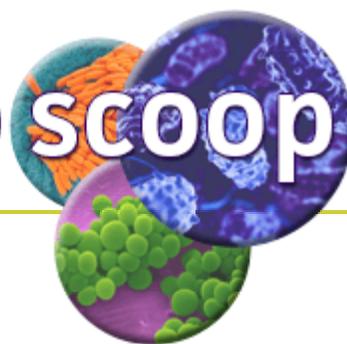




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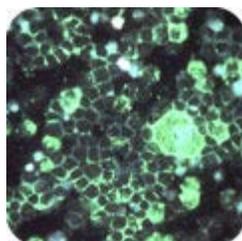
[Respiratory Research Materials](#) | [ATCC in the World](#) | [Influenza](#) | [Photo Contest](#)



ATCC and Pharmaceutical Quality Control

The pharmaceutical industry looks to ATCC to provide top-quality, authenticated strains and associated molecular materials necessary for microbiological testing of pharmaceutical products.

With these tools, pharmaceutical companies can maintain the highest levels of product integrity throughout process validation, manufacturing, and quality control.



Respiratory Infection Research Materials

Respiratory infections are one of the most frequent causes of illness during the fall and winter seasons. These infections, which can range from mild, self-limiting ailments to life-threatening conditions, are

predominantly caused by aerosolized viral strains such as the [influenza virus](#), [adenovirus](#), rhinovirus, and [respiratory syncytial virus](#). In the past decade, with the advent of swine-derived influenza (H1N1) and [severe acute respiratory syndrome](#) (SARS), it has become evident that rapid viral identification is critical to reduce patient mortality during an outbreak. This concern highlights the importance of having rapid, reliable, and sensitive diagnostic assays that allow public health officials to effectively treat and contain the disease. To support the scientific community in the development of novel methods of detection, ATCC provides a wide assortment of authenticated respiratory pathogens and bioproducts associated with either mild upper respiratory tract infections or severe illnesses. Use ATCC reference strains to start developing today!

[Learn more ►](#)

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Associated Links

ATCC® Virology Culture Guide – *New!*

A manual featuring tips and techniques for propagating viruses.

[Download PDF ►](#)

ATCC® Bacterial Culture Guide – *Available Now!*

A manual featuring tips and techniques for culturing bacteria and bacteriophages

[Download PDF ►](#)

View from the Petri Dish

An ATCC blog highlighting the intersection between microbiology and society.

[Engage now ►](#)

Announcements

American Society of Microbiology (ASM)

May 18-21, 2013
Booth #704

Webinars

Missed One of the ATCC® Webinars?

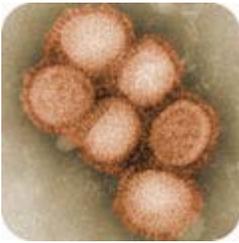
View them online – anytime!

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Technical Tips

How can ribotyping improve microbial characterization?

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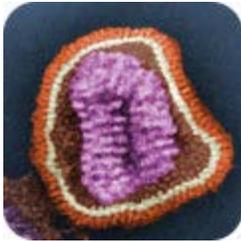


ATCC in the World: Developing Novel Molecular Diagnostic Tools to Detect Respiratory Viruses

In light of the complications associated with the influenza H1N1 outbreak of 2009, it is clear that a rapid, reliable, and sensitive diagnostic assay is required. To meet this need, [Beck et al.](#) used [ATCC viral strains](#) to develop and validate both a semi-automated and a fully automated multiplex real-time RT-PCR assay to selectively detect influenza A, influenza B, and respiratory syncytial virus (RSV)¹. This novel high-throughput platform uses primers and probes designed to bind highly conserved regions of the influenza A and B matrix genes and the RSV polymerase gene, allowing for 99% specificity, which surpasses the sensitivity of current FDA-approved tests. Get started on the development of novel molecular diagnostic tools today using ATCC reference strains!

[Learn more about the ATCC Virology Collection ►](#)

¹Beck ET, et al. Development of a Rapid Automated Influenza A, Influenza B, and Respiratory Syncytial Virus A/B Multiplex Real-Time RT-PCR Assay and its Use during the 2009 H1N1 Swine-Origin Influenza Virus Epidemic in Milwaukee, Wisconsin. *J Mol Diagn.* 12(1): 74-81, 2010.



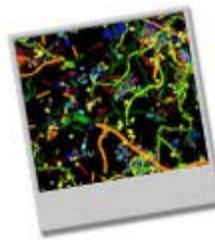
Resources for Influenza Assay Development

Influenza circulates throughout the world causing seasonal epidemics of severe upper respiratory illness. To aid influenza assay development

research, ATCC has recently adapted several influenza strains for propagation in tissue culture using MDCK cells. These new tissue-culture-adapted products include swine-derived H1N1 viruses, H3N2 subtypes, and influenza B viruses.

- [MDCK cells \(ATCC® CCL-34™\)](#)
- Swine-derived Influenza A (H1N1) (ATCC® [VR-1682™](#), [VR-1683™](#))
- Influenza A (H3N2) (ATCC® [VR-1680™](#), [VR-1679™](#))
- Influenza B (ATCC® [VR-1535™](#), [VR-1735™](#))

[Learn more ►](#)



Microbes! Beautiful Microbes! – ATCC Photo Contest

Get your ATCC microbes ready for their close-ups. Starting in January 2013, ATCC will be looking for microbial images that steal the show! You will have the opportunity to send us your most beautiful and scientifically stunning images of ATCC microbes, for a chance to win great prizes. Check your inbox in January for more details.

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