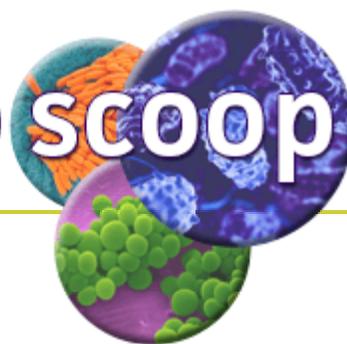




THE ESSENTIALS OF LIFE SCIENCE RESEARCH
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micro scoop



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ATCC and Food Safety

The food industry looks to ATCC to provide top-quality, authenticated strains and associated molecular materials necessary for microbiological testing of food and food ingredients. With these tools, food industry customers can maintain the

highest levels of product integrity throughout research and development, process validation, manufacturing, and ongoing quality control.



ATCC "Big Six" Research Materials

Currently, there are more than 100 serotypes of non-O157 Shiga toxin-producing *Escherichia coli* (STEC) associated with human disease. Of these, the "Big Six" serogroups are estimated to cause

over 70% of non-O157 STEC infections¹. To protect

public health, the food industry must adhere to strict quality assurance protocols that ensure the absence of these strains in all food products. To aid in these investigations, ATCC has acquired numerous patient samples of non-O157 STEC strains from the CDC, among other sources, which represent each of the "Big Six" serogroups, including O26, O45, O103, O111, O121, and O145. Each of these authenticated strains was tested for the presence of the Shiga toxin genes (*stx1* and *stx2*) and the *eae* gene, which encodes the adherence protein intimin.

- ["Big Six" *Escherichia coli* Strains Panel \(ATCC® MP-9™\)](#)
- ["Big Six" *Escherichia coli* Genomic DNA Panel \(ATCC® MP-10™\)](#) – **Now available!**
- ["Big Six" *Escherichia coli* strains available individually](#)

[Learn more ►](#)

¹ Brooks JT, Sowers EG, Wells JG, et al. Non-O157 Shiga Toxin-Producing *Escherichia coli* Infections in the United States, 1983-2002.

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Associated Links

ATCC® Bacterial Culture Guide – **New!**

A manual featuring tips and techniques for culturing bacteria and bacteriophages

[Download PDF ►](#)

Recommended Cultures for Food Safety Tests

A list of ATCC Genuine Cultures® recommended for official microbial assays and tests on food.

[Learn more ►](#)

View from the Petri Dish

An ATCC blog highlighting the intersection between microbiology and society.

[Engage now ►](#)

Announcements

Parenteral Drug Association's (PDA) Global Conference on Pharmaceutical Microbiology

October 22-24, 2012

Booth #27

Association of Molecular Pathology (AMP)

October 25-27, 2012

Booth #341

PlanetConnect Bristol-Meyers Squibb (BMS) Symposium

October 29-30, 2012

Booth #119



ATCC Webinar Non-O157 Shiga Toxin-Producing *Escherichia coli*

Brian Beck, Ph.D.

Thursday, November 15th 1:00 pm (EST)

The global community has been experiencing food-associated outbreaks of non-O157 Shiga toxin-producing *Escherichia coli* (STEC) for nearly two decades. As a result, six non-O157 STEC serogroups were classified as adulterants by the USDA Food Safety and Inspection Service in June 2012, requiring routine verification testing of raw beef manufacturing trimmings for serogroups O26, O45, O103, O111, O121, and O145. This webinar will discuss the genetic and phenotypic methods used to characterize both toxigenic and non-toxigenic strains available from ATCC.

[Register now ►](#)

Webinars

Webinar presentation – Non-O157 Shiga Toxin-Producing *Escherichia coli*

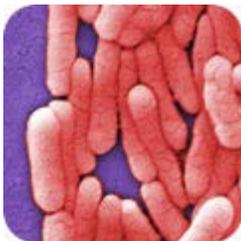
November 15, 2012
1:00 pm (EST)

[Register now ►](#)

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View them online – anytime!

[View our webinars ►](#)



Salmonella enterica Panel – Available Now!

Improve your *Salmonella* surveillance testing by verifying the accuracy and sensitivity of your selective media, or

immuno- and molecular-based assays with the [ATCC® *Salmonella enterica* Panel \(ATCC® MP-15™\)](#).

This panel consists of five fully characterized and serotyped strains of *Salmonella enterica* that are commonly associated with contaminated food or water. Available serovars include Choleraesuis, Enteritidis, Newport, Typhi, and Typhimurium.

[Learn more ►](#)



Enteric Protozoa DNA Panel – Available Now!

Whether you are developing a real-time PCR assay to detect enteric protozoa or are performing whole genome

sequencing, ATCC enteric protozoa genomic DNA preparations are the tools you need for rapid results.

Enteric protozoa DNA preparations are available as either the [ATCC® Enteric Protozoa DNA Panel \(ATCC® MP-14™\)](#) or as [individual reagents](#). The panel combines DNA preparations from the four parasitic protozoa responsible for the majority of intestinal disease, *Giardia intestinalis*, *Cryptosporidium* sp., *Blastocystis hominis*, and *Entamoeba histolytica*.

[Learn more ►](#)

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