

## ***Salmonella enterica* subsp. *enterica*, 2004 Pennsylvania Tomato Outbreak, Serovar Typhimurium, Isolate 8**

**Catalog No. NR-4340**

**Product Description:** *Salmonella enterica* (*S. enterica*) subsp. *enterica* serovar Typhimurium is a major cause of gastroenteritis. These bacteria are host generalists that occur in humans and many other mammals. Additionally, this serovar causes typhoid-like disease in mice and is used as a mouse model of human typhoid fever.

**Lot<sup>1</sup>: 58354368**

**Manufacturing Date: 08OCT2008**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Analytical profile index (API <sup>®</sup> 20 E)	Gram-negative rod Report results  Consistent with <i>Salmonella</i>	Gram-negative rod Circular, entire, low convex and opaque (Figure 1) Consistent with <i>Salmonella</i>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1400 bp)	Consistent with <i>S. enterica</i>	Consistent with <i>S. enterica</i>
<b>PCR Assay of Extracted DNA</b> 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>*S. enterica* subsp. *enterica*, 2004 Pennsylvania Tomato Outbreak, Serovar Typhimurium, Isolate 8 was isolated from the stool of a patient with diarrhea during the 2004 *Salmonella* outbreak in Pennsylvania (PA) and deposited by Carol H. Sandt, Molecular Microbiology Section, Bureau of Laboratories, PA Department of Health, Lionville, PA. The isolated material was grown on Tryptic Soy Agar plates which were used to inoculate Tryptic Soy Broth. The culture was cryogenically preserved in 20% glycerol at -70°C until deposition. NR-4340 was produced by inoculation of the deposited material into Tryptic Soy Broth (BD 211825) and grown 24 hours at 37°C and aerobic atmosphere. Broth inoculum was added to Kolles which were grown 24 hours at 37°C and aerobic atmosphere to produce this lot.

<sup>2</sup>24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar (BD 236950)

**Figure 1**



**Date:** 12 DEC 2008

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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