

Certificate of Analysis for NR-4339

Salmonella enterica subsp. enterica, 2004 Pennsylvania Tomato Outbreak, Serovar Typhimurium, Isolate 7

Catalog No. NR-4339

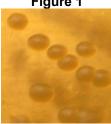
Product Description: Salmonella enterica (S. enterica) subsp. enterica serovar Typhimurium is a major cause of gastroenteritis. These bacteria are host generalists that occur in humans and many other mammals. Additionally, this serovar causes typhoid-like disease in mice and is used as a mouse model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

Lot¹: 58332158 Manufacturing Date: 17SEP2008

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ²	Gram-negative rod Report results	Gram-negative rod Circular, slightly peaked, entire, cream and translucent (Figure 1)
Analytical profile index (API® 20 E)	Consistent with Salmonella	Consistent with Salmonella
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1390 bp)	Consistent with S. enterica	Consistent with S. enterica
PCR Assay of Extracted DNA 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze) ³	Growth	Growth

S. enterica subsp. enterica, 2004 Pennsylvania Tomato Outbreak, Serovar Typhimurium, Isolate 7 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-4339 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.

Figure 1



Date: 09 APR 2009 Signature: Signature on File

> Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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²24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar (BD 236950)

³24 hours at 37°C and aerobic atmosphere in Tryptic Soy Broth