

Genomic DNA from *Salmonella enterica* subsp. *enterica*, 2004 Pennsylvania Tomato Outbreak, Serovar Thompson, Isolate 12

Catalog No. NR-4611

Product Description: Genomic DNA was obtained from a preparation of *Salmonella enterica* (*S. enterica*) subsp. *enterica* serovar Thompson that was isolated from the stool of a patient with diarrhea during the 2004 *Salmonella* outbreak in Pennsylvania.

Lot¹: 58354369

Manufacturing Date: 24OCT2008

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1370 bp)	Identical to BEI Resources NR-4330 Consistent with <i>S. enterica</i>	Identical to BEI Resources NR-4330 Consistent with <i>S. enterica</i>
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen[®] Measurement	4 to 6 µg in 25 to 100 µL per vial	5.4 µg in 37 µL per vial (147 µg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD₂₆₀/OD₂₈₀ Ratio	1.7 to 1.9	1.9
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar ^{2,3}	No viable bacteria detected	No viable bacteria detected

¹*S. enterica* subsp. *enterica*, 2004 Pennsylvania Tomato Outbreak, Serovar Thompson, Isolate 12 was deposited by Carol H. Sandt, Molecular Microbiology Section, Bureau of Laboratories, PA Department of Health, Lionville, PA. The bacterial preparation used for extraction of genomic DNA was produced by broth (Tryptic Soy Broth, BD 211825) culture of the deposited material. After incubation for 24 hours at 37°C and aerobic atmosphere, genomic DNA was extracted using proprietary technology.

²7 days at 37°C in an aerobic atmosphere.

³An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative bacteria.

Date: 13 FEB 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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