

## **Certificate of Analysis for NR-4611**

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.

Lot<sup>1</sup>: 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
OD <sub>260</sub> /OD <sub>280</sub> Ratio	1.7 to 1.9	1.9
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar <sup>2,3</sup>	No viable bacteria detected	No viable bacteria detected

<sup>&</sup>lt;sup>1</sup>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.

**Date:** 13 FEB 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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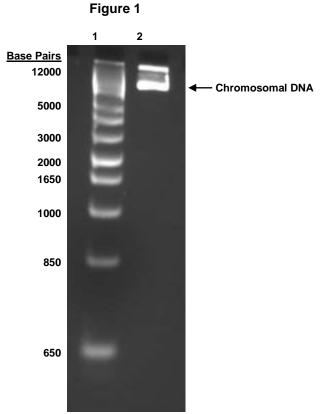
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<sup>&</sup>lt;sup>2</sup>7 days at 37°C in an aerobic atmosphere.

<sup>&</sup>lt;sup>3</sup>An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative bacteria.



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Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™

Lane 2: 200 ng of NR-4611

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