

Certificate of Analysis for NR-4616

Genomic DNA from *Salmonella enterica* subsp. *enterica*, 2004 Pennsylvania Tomato Outbreak, Serovar Typhimurium, Isolate 3

Catalog No. NR-4616

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

Lot¹: 58194792 Manufacturing Date: 02JUN2008

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~1385 bp)	Identical to BEI Resources NR-4335 Consistent with <i>S. enterica</i> subsp. <i>enterica</i>	Identical to BEI Resources NR-4335 Consistent with <i>S. enterica</i> subsp. <i>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	5.7 μg in 57 μL per vial (101 μg/mL)
Functional Activity by PCR Amplification 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
OD ₂₆₀ /OD ₂₈₀ Ratio	1.7 to 1.9	1.8
Bacterial Inactivation 10% of total yield plated on Tryptic Soy Agar ^{2,3}	No viable bacteria detected	No viable bacteria detected

¹S. enterica subsp. enterica, 2004 Pennsylvania Tomato Outbreak, Serovar Typhimurium, Isolate 3 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: 26 AUG 2008 **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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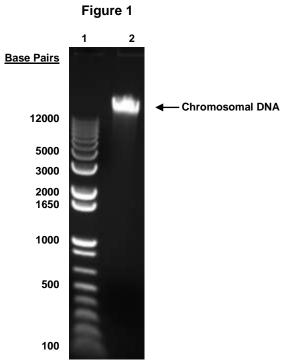
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²7 days at 37°C in an aerobic atmosphere.

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



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