

**Genomic DNA from *Salmonella enterica* subsp. *enterica*, Strain LS1001**

**Catalog No. NR-4622**

**Product Description:** Genomic DNA was obtained from a preparation of *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain LS1001, a derivative of strain 14028 which was isolated from chickens.

**Lot<sup>1</sup>: 58580366**

**Manufacturing Date: 02MAY2009**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of 16S Ribosomal RNA Gene</b> (~ 1410 bp)	Identical to BEI Resources NR-4341 Consistent with <i>S. enterica</i>	Identical to BEI Resources NR-4341 Consistent with <i>S. enterica</i>
<b>Agarose Gel Electrophoresis</b>	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
<b>Concentration by PicoGreen<sup>®</sup> Measurement</b>	4 to 6 µg in 25 to 100 µL per vial	5.2 µg in 61 µL per vial (86 µg/mL)
<b>Functional Activity by PCR Amplification</b> 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio</b>	1.7 to 1.9	1.8
<b>Bacterial Inactivation</b> 10% of total yield plated on Tryptic Soy Agar <sup>2,3</sup>	No viable bacteria detected	No viable bacteria detected

<sup>1</sup>*Salmonella enterica* subsp. *enterica*, strain LS1001 is a derivative of strain 14028, which was isolated from chickens. The bacterial preparation used for extraction of genomic DNA was produced by Tryptic Soy Broth culture of the deposited material. After incubation for 24 hours at 37°C and aerobic atmosphere, genomic DNA was extracted using proprietary technology.

<sup>2</sup>7 days at 37°C in an aerobic atmosphere.

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

**Date:** 01 OCT 2009

**Signature:** Signature on File

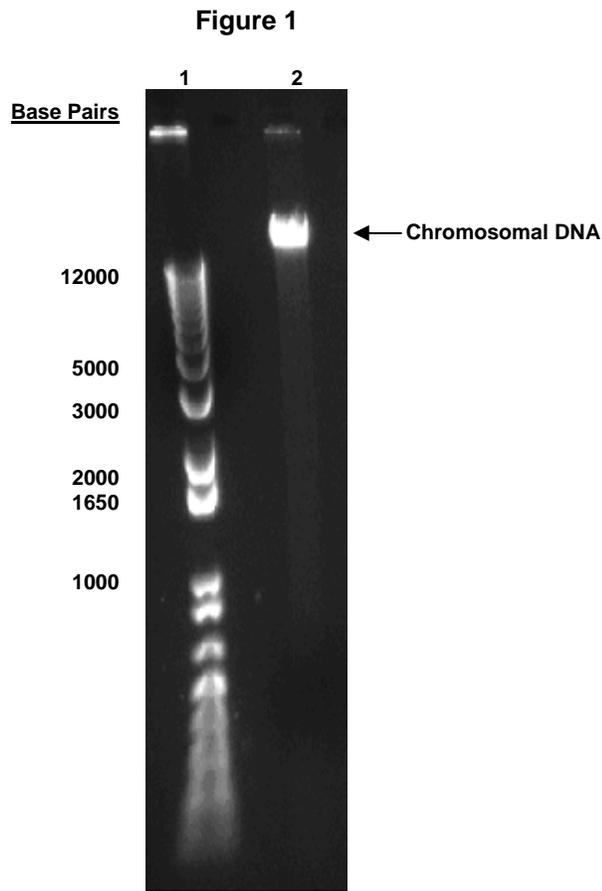
**Title:** Technical Manager, BEI Authentication or designee

ATCC<sup>®</sup>, 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<sup>®</sup>'s knowledge.

ATCC<sup>®</sup> is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.





Lane 1: Invitrogen™ TrackIt 1 Kb Plus DNA Ladder™  
Lane 2: 200 ng of NR-4622