

## Genomic DNA from *Yersinia enterocolitica* subsp. *enterocolitica*, Strain 33114

**Catalog No. NR-2646**

**Product Description:** Genomic DNA was isolated from a preparation of *Yersinia enterocolitica* subsp. *enterocolitica* (*Y. enterocolitica* subsp. *enterocolitica*), strain 33114.

**Lot<sup>1</sup>: 5107295**

**Manufacturing Date: 20APR2006**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of 16S Ribosomal RNA Gene</b> (~ 500 base pairs)	Identical to BEI Resources NR-214 Identical to GenBank AF366378 (ATCC <sup>®</sup> 9610 <sup>™</sup> ) Consistent with <i>Y. enterocolitica</i> subsp. <i>enterocolitica</i>	Identical to BEI Resources NR-214 Identical to GenBank AF366378 (ATCC <sup>®</sup> 9610 <sup>™</sup> ) Consistent with <i>Y. enterocolitica</i> subsp. <i>enterocolitica</i> <sup>2</sup>
<b>Presence of Plasmid Confirmed by Gel Electrophoresis</b> pYV plasmid	Confirmed	Confirmed
<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	5.4 µg in 56 µL per vial (97 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	1.9
<b>Bacterial Inactivation</b> 10% of total yield plated on Trypticase Soy Agar <sup>3</sup> ; limit of detection is 0.1 colony-forming units per vial	No viable bacteria detected	No viable bacteria detected

<sup>1</sup>The bacterial preparation used for extraction of genomic DNA was produced by culture of BEI Resources NR-214 on Brain Heart Infusion agar.

After incubation for 24 hours at 30°C and aerobic atmosphere, genomic DNA was extracted using proprietary technology.

<sup>2</sup>Also consistent other *Yersinia* species.

<sup>3</sup>Incubated for 7 days at 30°C and aerobic atmosphere.

**Date: 23 OCT 2006**

**Signature: Signature on File**

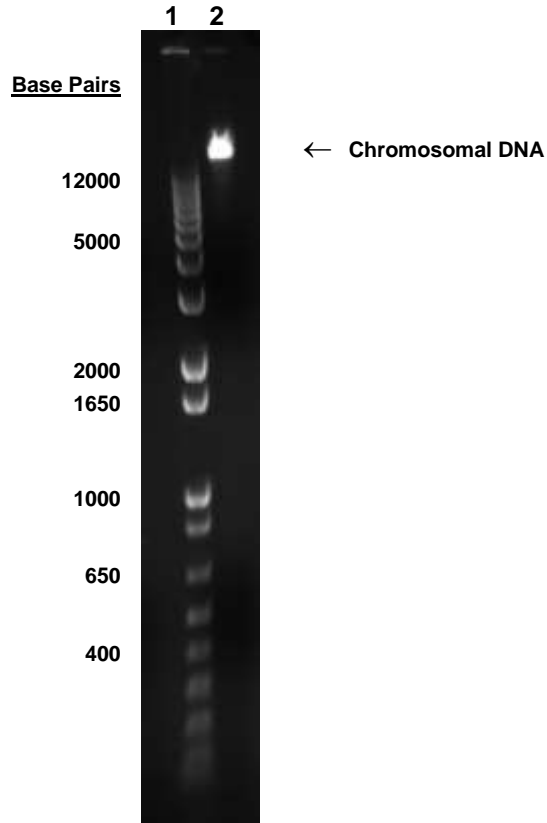
**Title: Technical Manager, BEI Authentication**

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.

Figure 1



Lane 1: Invitrogen™ TrackIt™ 1 Kb DNA Ladder  
Lane 2: 200 ng of NR-2646