

Genomic DNA from *Yersinia enterocolitica* subsp. *enterocolitica*, Strain Billups-1803-68

Catalog No. NR-3064

Product Description: Genomic DNA was isolated from a preparation of *Yersinia enterocolitica* (*Y. enterocolitica*) subsp. *enterocolitica*, strain Billups-1803-68.

Lot¹: 57697623

Manufacturing Date: 04MAY2007

TEST	SPECIFICATIONS	RESULTS
Sequencing of 16S Ribosomal RNA Gene (~ 1425 base pairs)	Consistent with <i>Y. enterocolitica</i> subsp. <i>enterocolitica</i>	Consistent with <i>Y. enterocolitica</i> subsp. <i>enterocolitica</i> ²
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA
Concentration by PicoGreen[®] Measurement	4 to 6 µg in 25 to 100 µL per vial	5.1 µg in 36 µL per vial (144 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 Trypticase Soy Agar ^{3,4}	No viable bacteria detected	No viable bacteria detected

¹The bacterial preparation used for extraction of genomic DNA was produced by culture of BEI Resources NR-204 (Lot 3736360) on Trypticase Soy Agar. After incubation for 48 hours at 37°C and aerobic atmosphere, genomic DNA was extracted using proprietary technology.

²Also consistent with other *Yersinia* species.

³Incubated for 7 days at 37°C and aerobic atmosphere.

⁴An extraction procedure was used that has been shown to consistently inactivate 100% of Gram-negative bacteria.

Date: 24 OCT 2007

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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