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.

**Lot:** 57697623  
**Manufacturing Date:** 04MAY2007

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| **Sequencing of 16S Ribosomal RNA Gene**  
(*~ 1425 base pairs*) | Consistent with *Y. enterocolitica* subsp. *enterocolitica* | Consistent with *Y. enterocolitica* subsp. *enterocolitica* |
| **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 |
| **OD_{260}/OD_{280} Ratio** | 1.7 to 1.9 | 1.9 |
| **Bacterial Inactivation**  
10% of total yield plated on Trypticase Soy Agar | No viable bacteria detected | No viable bacteria detected |

1 The 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.

2 Also consistent with other *Yersinia* species.

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

4 An 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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