

**Bacillus thuringiensis, Strain NRS 996**

**Catalog No. NR-609**

(Derived from ATCC® 10792™)

**Product Description:** *Bacillus thuringiensis* (*B. thuringiensis*), strain NRS 996 was isolated in 1927 from a Mediterranean flour moth (*Ephesita kuehriella*) by Otto Mattes.

**Lot<sup>1</sup>: 3966995**

**Manufacturing Date: 17DEC2004**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup> Sporulation Motility (wet mount) <sup>3</sup> Hemolysis Biochemical tests Production of acid from trehalose Production of acid from salicin Production of acid from glycerol Production of acid from glycogen Nitrate reduction Arginine decarboxylase activity Biolog Microlog3 4.20  FAME	Gram-positive rods Report results Report results Report results Report results  Positive Report results Report results Report results Positive Positive Positive Positive Positive <i>B. thuringiensis</i> (Sim Index >0.5)  <i>B. thuringiensis</i> (Sim Index >0.3)	Gram-positive rods Irregular, flat, rough and opaque Positive Motile β-hemolytic  Positive Positive Negative Positive Positive Positive Positive <i>B. thuringiensis/cereus</i> (Sim Index 0.574) <i>B. cereus</i> GC subgroup B (Sim Index 0.695)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 830 base pairs)	≥ 99% sequence identity to <i>B. thuringiensis</i> , strain NRS 996 (GenBank: ACNF01000156.1)	99% sequence identity to <i>B. thuringiensis</i> , strain NRS 996 (GenBank: ACNF01000156.1)
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>This lot of NR-609 was produced by inoculation ATCC® 10792™, lot 3237222, into Tryptic Soy broth and grown for 1 day at 30°C in an aerobic atmosphere.

<sup>2</sup>1 day at 30°C in an aerobic atmosphere on Tryptic Soy agar

<sup>3</sup>In the *B. cereus* group, *B. cereus* and *B. thuringiensis* are motile, whereas *B. anthracis* and *B. mycoides* are non-motile.

**Date:** 20 JUN 2017

**Signature:**

BEI Resources Authentication

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.

ATCC® 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.

