

## **Certificate of Analysis for NR-156**

## Vibrio cholerae, Strain BG29

Catalog No. NR-156 (Derived from ATCC<sup>®</sup> 14104™)

**Product Description:** Vibrio cholerae (V. cholerae) is a natural inhabitant of warm aquatic environments and the causative agent of the diarrheal disease cholera.

Lot<sup>1</sup>: 3729509 Manufacturing Date: 28MAY2004

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative	Gram-negative
Colony morphology <sup>2</sup>	Report results	Circular, flat, glistening and transparent
Biochemical characterization:		
Analytical profile index (API <sup>®</sup> 20E)	Consistent with V. cholerae	Consistent with V. cholerae
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 500 bp)	Consistent with V. cholerae	Consistent with <i>V. cholerae</i> <sup>3</sup>
Viability (post-freeze) <sup>4</sup>	Growth	Growth

<sup>&</sup>lt;sup>1</sup>NR-156 was prepared by Tryptic Soy Broth (BD 211768) culture of ATCC<sup>®</sup> 14104™ (Lot: 15587) for 24 hours at 37°C and aerobic atmosphere.

**Date:** 04 OCT 2008 **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.

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<sup>&</sup>lt;sup>2</sup>24 hours at 37°C and aerobic atmosphere in Tryptic Soy Agar (BD 236950)

<sup>&</sup>lt;sup>3</sup>Also consistent with other Vibrio species

<sup>&</sup>lt;sup>4</sup>24 hours at 37°C and aerobic atmosphere