

Certificate of Analysis for NR-153

Vibrio cholerae, Strain PR508

Catalog No. NR-153 (Derived from ATCC® 14101™)

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

Lot¹: 3718491 Manufacturing Date: 19MAY2004

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Biochemical characterization: Analytical profile index (API [®] 20E)	Gram-negative Report results Consistent with <i>V. cholerae</i>	Gram-negative Circular, low convex, entire, glistening, and transparent Consistent with <i>V. cholerae</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 450 bp) Viability (post-freeze) ⁴	Consistent with <i>V. cholerae</i> Growth	Consistent with <i>V. cholerae</i> ³ Growth

¹NR-153 was prepared by Tryptic Soy Broth (BD 211768) culture of ATCC[®] 14101™ (Lot: 15572) for 24 hours at 37°C and aerobic atmosphere.

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Date: 04 OCT 2008 **Signature:** Signature on File

Title: Technical Manager, BEI Authentication or designee

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.

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²24 hours at 37°C and aerobic atmosphere in Tryptic Soy Agar (BD 236950)

³Also consistent with other *Vibrio* species

⁴24 hours at 37°C and aerobic atmosphere