

***Vibrio cholerae*, Strain HC-36A1 (Biovar El Tor)**

Catalog No. NR-28844

Product Description: *Vibrio cholerae* (*V. cholerae*), strain HC-36A1 was deposited as a serogroup O1, biovar El Tor strain that was isolated from a patient in Haiti in 2010.

Lot¹: 63424810

Manufacturing Date: 25MAR2015

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis ² Motility (wet mount) VITEK [®] MS (MALDI-TOF)	Gram-negative rods Report results Report results Report results Consistent with <i>V. cholerae</i>	Gram-negative curved rods Circular, convex, entire, smooth and gray (Figure 1) Non-hemolytic ³ Motile Consistent with <i>V. cholerae</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 400 base pairs)	Consistent with <i>V. cholerae</i>	Consistent with <i>V. cholerae</i> ^{4,5}
Purity (post-freeze)⁶	Growth consistent with <i>V. cholerae</i>	Growth consistent with <i>V. cholerae</i>
Viability (post-freeze)²	Growth	Growth

¹The deposited material was inoculated into Tryptic Soy broth and grown 24 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles and grown 24 hours under propagation conditions to produce this lot.

²23 hours on Tryptic Soy agar with 5% defibrinated sheep blood under propagation conditions

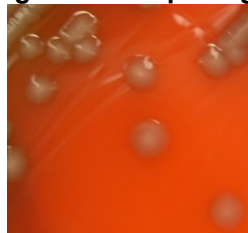
³On aerobic sheep blood agar plates, non-hemolytic *V. cholerae* frequently produces greenish clearing around areas of heavy growth but not around well-isolated colonies. This phenomenon, often described as "hemodigestion," is produced by metabolic by-products which are inhibited by anaerobic incubation of the blood agar plate. From Chapter VI. Laboratory Identification of *Vibrio cholerae* in: Laboratory Methods for the Diagnosis of *Vibrio cholerae*, Centers for Disease Control and Prevention <http://www.cdc.gov/cholera/laboratory.html>

⁴100% Identical to *V. cholerae*, strain HC-36A1 (GenBank: AXDR01000011)

⁵Also consistent with other *Vibrio* species

⁶Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood under propagation conditions.

Figure 1 - Morphology



Date: 21 MAY 2015

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.

