

***Vibrio cholerae*, Strain HC-49A2 (Biovar El Tor)**

Catalog No. NR-28860

Product Description: *Vibrio cholerae* (*V. cholerae*), strain HC-49A2 was deposited as a serogroup O1, biovar El Tor strain that was isolated from a patient in Haiti in 2010.

Lot¹: 63424818

Manufacturing Date: 26MAR2015

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 rods Circular, low 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 (~ 1490 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.

²24 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>

⁴99.7% identical to *V. cholerae*, strain HC-49A2 (GenBank: AFOM01000003)

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:

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