

Helicobacter pylori, Strain CPY6261

Catalog No. NR-43640

Product Description: *Helicobacter pylori* (*H. pylori*), strain CPY6261 was isolated from the gastric biopsy homogenate from a gastric cancer patient in Yamaguchi Prefecture, Japan.

Lot¹: 62910845

Manufacturing Date: 16OCT2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Motility (wet mount) Analytical profile index (API [®] CAMPY)	Gram-negative rods Report results Report results Consistent with <i>H. pylori</i>	Gram-negative rods Circular, low convex, entire and translucent (Figure 1) Motile Consistent with <i>H. pylori</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1410 base pairs)	Consistent with <i>H. pylori</i>	Consistent with <i>H. pylori</i> ³
Purity (post-freeze) Microaerophilic growth ⁴ Aerobic growth ^{5,6}	Growth consistent with <i>H. pylori</i> Growth consistent with <i>H. pylori</i>	Growth consistent with <i>H. pylori</i> Growth consistent with <i>H. pylori</i>
Viability (post-freeze)²	Growth	Growth

¹NR-43640 was produced by inoculation of the deposited material onto a Tryptic Soy agar with 5% defibrinated sheep blood slant and Brucella broth and grown for 2 days at 37°C in a microaerophilic atmosphere (~ 6-16% O₂ and 2-10% CO₂). The Brucella broth was used to inoculate an additional Tryptic Soy agar with 5% defibrinated sheep blood slant which was grown for 3 days under the propagation conditions. Colonies were suspended in Brucella broth and used to inoculate Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 3 days under propagation conditions to produce this lot.

²3 days on Tryptic Soy agar with 5% defibrinated sheep blood under propagation conditions

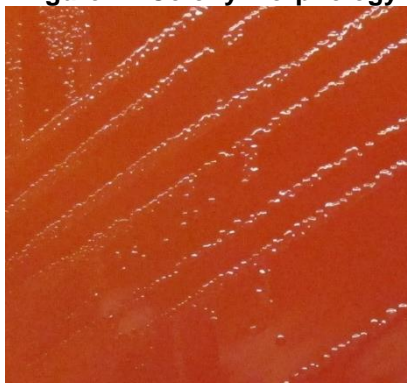
³≥ 99.9% identical to *H. pylori*, strain CPY6261 (GenBank: AKNO0100001.1)

⁴Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in a microaerophilic atmosphere (~ 6-16% O₂ and 2-10% CO₂).

⁵Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO₂.

⁶*H. pylori* is known to show weak growth under aerobic conditions (Bury-Moné, S., et al. "Is *Helicobacter pylori* a True Microaerophile?" *Helicobacter* 11 (2006): 296-303. PubMed: 16882333.).

Figure 1: Colony Morphology



Certificate of Analysis for NR-43640

Date: 10 AUG 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.

