

**Helicobacter pylori, Strain Hp CPY6081**

**Catalog No. NR-43639**

**Product Description:**

*Helicobacter pylori* (*H. pylori*), strain Hp CPY6081 was isolated from gastric biopsy homogenate from a gastric cancer patient in Yamaguchi Prefecture, Japan.

**Lot: 63734558<sup>1</sup>**

**Manufacturing Date: 28OCT2014**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Motility Analytical profile index (API <sup>®</sup> CAMPY)	Gram-negative rods Report results  Report results Consistent with <i>H. pylori</i>	Gram-negative rods Circular, raised, entire, smooth and gray (Figure 1) Motile Consistent with <i>H. pylori</i>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1390 base pairs)	Consistent with <i>H. pylori</i>	Consistent with <i>H. pylori</i> <sup>3</sup>
<b>Purity (post-freeze)</b> Microaerophilic growth <sup>4</sup>  Aerobic growth <sup>5,6</sup>	Consistent with expected colony morphology Consistent with expected colony morphology	Consistent with expected colony morphology Consistent with expected colony morphology
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>NR-43639 was produced by inoculation of the deposited material into Brucella broth and grown for 4 days at 37°C in a microaerophilic atmosphere (~ 6-16% O<sub>2</sub> and 2-10% CO<sub>2</sub>). Broth inoculum was used to inoculate Columbia agar with 7% defibrinated horse blood, 5 µg/mL trimethoprim, 5 µg/mL vancomycin, 10 µg/mL cefsulodin and 2.5 µg/mL amphotericin B kolles, which were grown for 3 days at 37°C in a microaerophilic atmosphere. Colonies were suspended in Brucella broth and used to inoculate Columbia agar with 7% defibrinated horse blood, 5 µg/mL trimethoprim, 5 µg/mL vancomycin, 10 µg/mL cefsulodin and 2.5 µg/mL amphotericin B kolles which were grown for 2 days 37°C in a microaerophilic atmosphere to produce this lot.

<sup>2</sup>2 days on Columbia agar with 7% defibrinated horse blood, 5 µg/mL trimethoprim, 5 µg/mL vancomycin, 10 µg/mL cefsulodin and 2.5 µg/mL amphotericin B at 37°C in a microaerophilic atmosphere

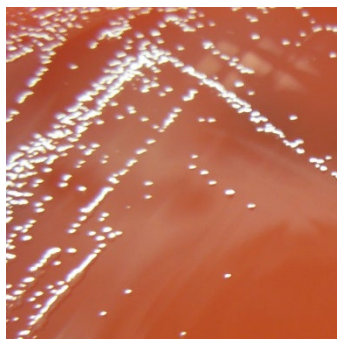
<sup>3</sup>100% identical to *H. pylori*, strain Hp CPY6081 (GenBank: AKNN01000007.1 and AKNN01000009.1)

<sup>4</sup>Purity of this lot was assessed for 7 days on Columbia agar with 7% defibrinated horse blood, 5 µg/mL trimethoprim, 5 µg/mL vancomycin, 10 µg/mL cefsulodin and 2.5 µg/mL amphotericin B at 37°C in a microaerophilic atmosphere (~ 6-16% O<sub>2</sub> and 2-10% CO<sub>2</sub>).

<sup>5</sup>Purity 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% CO<sub>2</sub>.

<sup>6</sup>*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**



/Heather Couch/

Heather Couch

18 NOV 2019

Program Manager or designee, ATCC Federal Solutions

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.

