

***Helicobacter pylori*, Strain 83**

**Catalog No. HM-273**

**Product Description:** *Helicobacter pylori* (*H. pylori*), strain 83 was isolated from a human stomach.

**Lot<sup>1,2</sup>: 61855877**

**Manufacturing Date: 18JUL2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Motility	Gram-negative rods Report results  Report results	Gram-negative rods Circular, low convex, entire, smooth and translucent (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 910 base pairs)	≥ 99% identical to GenBank: CP002605 ( <i>H. pylori</i> , strain 83)	≥ 99% identical to GenBank: CP002605 ( <i>H. pylori</i> , strain 83)
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

<sup>1</sup>Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

<sup>2</sup>*H. pylori*, strain 83 was deposited by Professor Sarah K. Highlander, Department of Molecular Virology and Microbiology, Baylor College of Medicine, Houston, Texas, USA. HM-273 was produced by inoculation of the deposited material into Tryptic Soy broth and incubated for 72 hours at 37°C in a microaerophilic atmosphere (~ 6-16% O<sub>2</sub> and 2-10% CO<sub>2</sub>) and passaged 3 times. The material from passage 3 was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown for 72 hours at 37°C in a microaerophilic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

<sup>3</sup>43 hours at 37°C in a microaerophilic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

**Figure 1**



**Date:** 12 MAR 2014

**Signature:**

**Title:** Technical Manager, BEI Authentication or designee

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