SUPPORTING INFECTIOUS DISEASE RESEARCH

## 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

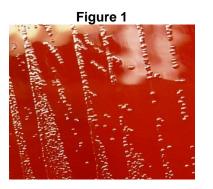
## Manufacturing Date: 18JUL2013

| TEST   | SPECIFICATIONS  | RESULTS   |
|--|---|---|
| Phenotypic Analysis  |   |   |
| Cellular morphology  | Gram-negative rods  | Gram-negative rods  |
| Colony morphology <sup>3</sup>                             | Report results  | Circular, low convex, entire, smooth<br>and translucent (Figure 1)      |
| Motility   | Report results  | Non-motile  |
| Genotypic Analysis   |   |   |
| Sequencing of 16S ribosomal RNA gene<br>(~ 910 base pairs) | ≥ 99% identical to GenBank:<br>CP002605 ( <i>H. pylori</i> , strain 83) | ≥ 99% identical to GenBank:<br>CP002605 ( <i>H. pylori</i> , strain 83) |
| Viability (post-freeze) <sup>3</sup>                       | 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%  $O_2$  and 2-10%  $CO_2$ ) 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



Date: 12 MAR 2014

Signature:

Title:

Technical Manager, BEI Authentication or designee

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BEI Resources www.beiresources.org E-mail: <u>contact@beiresources.org</u> Tel: 800-359-7370 Fax: 703-365-2898