

**Helicobacter pylori, Strain 35A**

**Catalog No. HM-274**

**Product Description:**

*Helicobacter pylori* (*H. pylori*), strain 35A was isolated from a human stomach. HM-274 was produced by inoculation of BEI Resources seed lot 59945179 into Tryptic Soy broth, which was used to inoculate a Tryptic Soy agar with 5% defibrinated sheep blood plate, and both were grown at 37°C in a microaerophilic atmosphere for 3 days. Colonies from the plate were scraped into the Tryptic Soy broth growth and the growth mixture was added to a Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 3 days at 37°C in a microaerophilic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

**Note:** 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.

**Lot: 70063956**

**Manufacturing Date: 09OCT2023**

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TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Motility (wet mount)	Gram-negative rods Report results  Report results	Gram-negative rods Circular, convex, entire and translucent Motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs)	≥ 99% sequence identity to <i>H. pylori</i> , strain 35A (GenBank: CP002096.1)	99.9% sequence identity to <i>H. pylori</i> , strain 35A (GenBank: CP002096.1) <sup>1</sup>
<b>Purity (post-freeze)</b> Microaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO <sub>2</sub> 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology Growth consistent with expected colony morphology  Growth consistent with expected colony morphology	Growth consistent with expected colony morphology Growth consistent with expected colony morphology <sup>1</sup>  No growth
<b>Viability (post-freeze)</b>	Growth	Growth

<sup>1</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.).

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