

***Helicobacter pylori*, Strain 35A**

Catalog No. HM-274

Product Description: *Helicobacter pylori* (*H. pylori*), strain 35A was isolated from a human stomach.

Lot^{1,2}: 0002020

Manufacturing Date: 29SEP2016

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Gram-negative rod Report results Report results	Gram-negative rod Circular, low convex, entire, smooth and gray (Figure 1) Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 800 base pairs)	≥ 99% sequence identity to <i>H. pylori</i> , strain 35A (GenBank: CP002096)	99.6% sequence identity to <i>H. pylori</i> , strain 35A (GenBank: CP002096)
Purity (post-freeze) Microaerophilic growth ⁴ Aerobic growth ^{5,6}	Growth consistent with expected colony morphology Growth consistent with expected colony morphology	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze)³	Growth	Growth

¹Quality 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.

²*H. pylori*, strain 35A was deposited by Professor Sarah K. Highlander, Department of Molecular Virology and Microbiology, Baylor College of Medicine, Houston, Texas, USA. HM-274 was produced by the inoculation of HMS-274 (Lot 59945179) into Tryptic Soy broth and grown for 3 days at 37°C in a microaerophilic atmosphere (~ 6-16% O₂ and 2-10% CO₂). The growth material was added to 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.

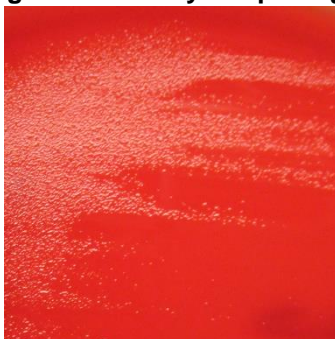
³3 days at 37°C in a microaerophilic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Purity of this lot was assessed for 7 days at 37°C in a microaerophilic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

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

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



Date: 18 JAN 2017

Signature:



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