b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-273

Helicobacter pylori, Strain 83

Catalog No. HM-273

Product Description:

Helicobacter pylori (H. pylori), strain 83 was isolated from a human stomach. HM-273 lot 70057710 was produced by inoculation of BEI Resources seed lot 61855878 into Tryptic Soy broth. Broth inoculum was added to a Tryptic Soy agar with 5% defibrinated sheep blood plate, which was grown for 3 days at 37°C in an aerobic atmosphere with 5% CO_2. A loopful of colonies from the initial growth was suspended in Tryptic Soy broth. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 4 days at 37°C in a microaerophilic atmosphere (6 to 16% O_2 and 2 to 10% CO_2; BD GasPak™ EZ Campy) 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: 70057710 **Manufacturing Date: 13JAN2023**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative rods	Gram-negative rods
Colony morphology	Report results	Circular, low convex, entire, smooth, gray and translucent
Motility (wet mount)	Motile	Motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1410 base pairs)	≥ 99% sequence identity to *H. pylori,* strain 83 (GenBank: CP002605.1)	100% sequence identity to *H. pylori,* strain 83 (GenBank: CP002605.1)
Purity (post-freeze)		
7 days at 37°C in a microaerophilic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
7 days at 37°C in an aerobic atmosphere with 5% CO_2 on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
7 days at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Report results	No growth
Viability (post-freeze)	Growth	Growth

/Sonia Bjorum Brower/
Sonia Bjorum Brower 20 MAR 2023
Technical 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.

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