

Certificate of Analysis for HM-339

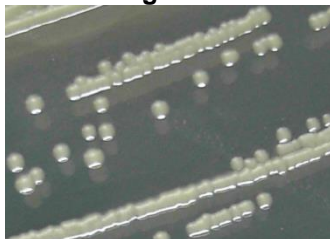
Escherichia coli*, Strain MS 119-7*Catalog No. HM-339****Product Description:** *Escherichia coli* (*E. coli*), strain MS 119-7 was isolated on April 25, 2002, from the rectum of a patient with Crohn's proctocolitis in New York, New York, USA.**Lot^{1,2}: 61318775****Manufacturing Date: 14NOV2012**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³	Report results Report results	Gram-negative rods Circular, raised, entire, translucent, smooth and glistening (Figure 1)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs)	≥ 99% identical to GenBank: ADWU01000043 (<i>E. coli</i> , strain MS 119-7)	≥ 99% identical to GenBank: ADWU01000043 (<i>E. coli</i> , strain MS 119-7)
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*E. coli*, strain MS 119-7 was deposited by Edgar C. Boedeker, M.D., Principal Investigator, Research Department, New Mexico Veterans Administration Hospital Care System, Albuquerque, New Mexico. The deposited material was inoculated into Tryptic Soy Broth and incubated for 24 hours at 37°C in an aerobic atmosphere. The material from the initial growth was added to Kolles for 24 hours at 37°C in an aerobic atmosphere to produce this lot.

³24 hours at 37°C in an aerobic atmosphere on Tryptic Soy Agar

Figure 1**Date:** 28 JAN 2013**Signature:****Title:**

Technical Manager, BEI Authentication or designee

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