

Escherichia coli, Strain D9

Catalog No. HM-87

Product Description:

Escherichia coli, strain D9 was isolated in 2007 from normal biopsy tissue taken from the cecum of a 59-year-old male patient undergoing a colon cancer screen in Calgary, Alberta, Canada. HM-87 was deposited as *Shigella* sp., however, this organism has been reclassified as *Escherichia coli*. HM-87 was produced by inoculation of BEI Resources seed lot 60932415 into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated blood kolles, which were grown for 1 day at 37°C in an aerobic 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: 70058045

Manufacturing Date: 25JAN2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Report results Report results Report results	Gram-negative rods Circular, convex, entire, smooth and gray (Figure 1) Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 730 base pairs)	≥ 99% sequence identity to <i>E. coli</i> , strain D9 (GenBank: ACDL01000089.1)	99.9% sequence identity to <i>E. coli</i> , strain D9 (GenBank: ACDL01000089.1)
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

Figure 1: Colony Morphology



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