

Escherichia coli, Strain H185

Catalog No. NR-15823

Product Description:

Escherichia coli (*E. coli*), strain H185 was isolated in 2001 from a human feces sample collected in Canberra, Australian Capital Territory, Australia. NR-15823 was produced by inoculation of the deposited material into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar 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.

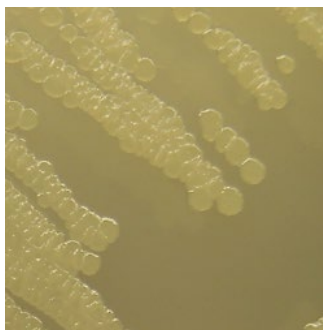
Lot: 70005654

Manufacturing Date: 08JUN2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount) VITEK® 2 (GN card) VITEK® MS (MALDI-TOF)	Gram-negative rods Report results Report results <i>E. coli</i> (≥ 89%) <i>E. coli</i>	Gram-negative rods Circular, flat, entire, rough and cream (Figure 1) Motile <i>E. coli</i> (99%) <i>E. coli</i> (99.9%)
Genotypic Analysis Digital DNA-DNA hybridization (dDDH) ¹	≥ 70% for species identification	<i>Shigella sonnei</i> (85.8%) <i>Shigella boydii</i> (84.8%) <i>Shigella flexneri</i> (83.6%) <i>Shigella dysenteriae</i> (82.4%) <i>E. coli</i> (75.1%)
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Tryptic Soy agar	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

¹The whole genome of *E. coli*, strain H185 was sequenced. Relatedness between bacterial strains has traditionally been determined using DDH. For additional information, refer to Auch, A. F., et al. "Digital DNA-DNA Hybridization for Microbial Species Delineation by Means of Genome-to-Genome Sequence Comparison." *Stand Genomic Sci.* 2 (2010): 117-134. PubMed: 21304684.

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

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25 JUN 2026

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