

***Escherichia coli*, Strain HS**

Catalog No. NR-9280

Product Description: *Escherichia coli* (*E. coli*), strain HS was isolated from a laboratory scientist at Walter Reed Army Institute of Research, 1978. *E. coli*, strain HS is a commensal human isolate that shows no sign of disease in challenge experiments although it is able to colonize the human gastrointestinal tract.

Lot¹: 58607096

Manufacturing Date: 06MAY2009

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Analytical profile index (API [®] 20 E)	Gram-negative rod Report results Consistent with <i>E. coli</i>	Gram-negative rod Circular, convex, entire and translucent (Figure 1) Consistent with <i>E. coli</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1360 bp)	Consistent with <i>E. coli</i>	Consistent with <i>E. coli</i> ³
PCR Assay of Extracted DNA 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze)⁴	Growth	Growth

¹*E. coli*, strain HS was deposited by James B. Kaper, Center for Vaccine Development, Department of Microbiology and Immunology, University of Maryland, School of Medicine. NR-9280 was produced by inoculation of the deposited material into Tryptic Soy Broth and grown 24 hours at 37°C and aerobic atmosphere. Broth inoculum was added to Kolles which were grown 24 hours at 37°C and aerobic atmosphere to produce this lot.

²24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar

³Also consistent with *Shigella* species

⁴24 hours at 37°C and aerobic atmosphere in Tryptic Soy Broth

Figure 1



Date: 23 SEP 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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