

***Escherichia coli*, Strain B171**

Catalog No. NR-9296

Product Description: *Escherichia coli* (*E. coli*), strain B171, is an enteropathogenic (EPEC) strain that contains 2 large plasmids (pB171 and pYR111) and a small cryptic plasmid. *E. coli*, strain B171 was isolated from a child with diarrhea in Seattle, Washington, 1983.

Lot¹: 58498184

Manufacturing Date: 18MAR2009

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, low convex, entire, cream and opaque (Figure 1) Consistent with <i>E. coli</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1340 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 B171 was deposited by James B. Kaper, Center for Vaccine Development, Department of Microbiology and Immunology, University of Maryland, School of Medicine. NR-9296 was produced by inoculation of the deposited material into Tryptic Soy Broth (BD 211825) 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 (BD 236950)

³Also consistent with *Shigella* species

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

Figure 1



Date: 17 JUL 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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