

Escherichia coli, Strain 93.0624

Catalog No. NR-17626

Product Description: *Escherichia coli* (*E. coli*), strain 93.0624 is a human isolate; it is referred to as a non-O157, Shiga toxin-producing *E. coli* (STEC) strain.

Lot¹: 61086681

Manufacturing Date: 29JUN2012

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Analytical profile index (API [®] 20 E)	Gram-negative rods Report results Consistent with <i>E. coli</i>	Gram-negative rods Circular, convex, entire, smooth and gray (Figure 1) Consistent with <i>E. coli</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1410 base pairs) Riboprinter [®] Microbial Characterization System	≥ 99% sequence identity to <i>E. coli</i> , strain 93.0624 (GenBank: AEZT02000046) ≥ 85% <i>E. coli</i>	99.6% sequence identity to <i>E. coli</i> , strain 93.0624 (GenBank: AEZT02000046) ³ <i>E. coli</i> (99%)
PCR Assay of Extracted DNA 16S ribosomal RNA gene PCR amplification of chromosomal borne virulence markers <i>stx1</i> <i>stx2</i>	~ 1500 base pair amplicon Positive Negative	~ 1500 base pair amplicon Positive Negative
Viability (post-freeze)²	Growth	Growth

¹*E. coli*, strain 93.0624 was deposited by C. DebRoy, Director, *E. coli* Reference Center, Department of Veterinary and Biomedical Sciences, College of Agricultural Sciences, The Pennsylvania State University, University Park, Pennsylvania, USA. NR-17626 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 with 5% defibrinated sheep blood

³Also consistent with *Shigella* species

Figure 1



Date: 22 APR 2014

Signature: 

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