

Escherichia coli, Strain C240-52

Catalog No. NR-17647

Product Description: *Escherichia coli* (*E. coli*), strain C240-52 is a human isolate from Switzerland, 1952; it has been typed as an enterohemorrhagic *E. coli* (EHEC) strain. **Note: The label refers to this item as strain C240-52 (9c). The (9c) is a lab designation that was used for tracking and is not part of the strain name.**

Lot¹: 61743360

Manufacturing Date: 23MAY2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Motility (wet mount) Analytical profile index (API [®] 20 E)	Gram-negative rods Report results Report results Consistent with <i>E. coli</i>	Gram-negative rods Irregular, low convex, entire, opaque, smooth and tan (Figure 1) Non-motile Consistent with <i>E. coli</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1480 base pairs) Riboprinter [®] Microbial Characterization System	Consistent with <i>E. coli</i> Consistent with <i>E. coli</i>	Consistent with <i>E. coli</i> ³ Consistent with <i>E. coli</i>
PCR Assay of Extracted DNA 16S ribosomal RNA gene PCR amplification of chromosomal borne virulence markers <i>stx1</i> <i>stx2</i>	~ 1500 bp amplicon Report results Report results	~ 1500 bp amplicon Negative Positive
Viability (post-freeze)²	Growth	Growth

¹The deposited material was inoculated into Brain Heart Infusion broth and grown 24 hours at 37°C in an aerobic atmosphere, and the resulting growth was viald and frozen. NR-17647 was produced by inoculation of the frozen subculture into Tryptic Soy broth and grown 24 hours under propagation conditions. Broth inoculum was added to Tryptic Soy agar kolles which were grown 24 hours under propagation conditions to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

²24 hours at 37°C in an aerobic atmosphere on Tryptic Soy agar

³Also consistent with *Shigella* species

Figure 1



Date: 27 FEB 2015

Signature:

Title: Technical Manager, BEI Authentication or designee

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