

Escherichia coli, Strain 5.3169

Catalog No. NR-17661

Product Description: *Escherichia coli* (*E. coli*), strain 5.3169, serotype O25:H4, is a human isolate obtained in the United States in 2005. Strain 5.3169 has been typed as an extraintestinal pathogenic *E. coli* (ExPEC) strain.

Lot¹: 61859932

Manufacturing Date: 10JUL2013

| TEST | SPECIFICATIONS | RESULTS |
|---|--|---|
| Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis ² Motility (wet mount) Analytical profile index (API [®] 20 E) | Gram-negative rods Report results Report results Report results Consistent with <i>E. coli</i> | Gram-negative rods Circular, convex, entire and gray (Figure 1) Non-hemolytic Motile Consistent with <i>E. coli</i> |
| Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 910 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 PCR amplification of chromosomal borne virulence markers <i>stx1</i> <i>stx2</i> | Report results Report results | Negative Negative |
| Viability (post-freeze)² | Growth | Growth |

¹*E. coli*, strain 5.3169 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-17661 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 24 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown 24 hours at 37°C in an aerobic atmosphere 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 with 5% defibrinated sheep blood

³Also consistent with *Shigella* species

Figure 1



Date: 18 MAY 2015

Signature:

BEI Resources Authentication

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

ATCC[®] is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

