b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-22051

Escherichia coli, Strain E12061

Catalog No. NR-22051

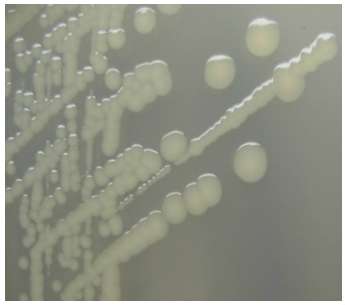
Product Description: *Escherichia coli* (*E. coli*), strain E12061, was isolated in 2004 from human feces in Washington, USA, and has been typed as an O157:H7 serotype, enterohemorrhagic *E. coli* (EHEC).

Lot[1]: 63568104 **Manufacturing Date: 19JUN2015**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative rods	Gram-negative rods
Colony morphology[2]	Report results	Circular, low convex, entire, smooth and cream (Figure 1)
Motility (wet mount)	Report results	Motile
VITEK® MS (MALDI-TOF)	Consistent with *E. coli*	Consistent with *E. coli*
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	Consistent with *E. coli*	Consistent with *E. coli*[3]
Riboprinter® Microbial Characterization System	Consistent with *E. coli*	Consistent with *E. coli*
PCR Assay of Extracted DNA		
16S ribosomal RNA gene	~ 1500 base pair amplicon	~ 1500 base pair amplicon
PCR amplification of chromosomal borne virulence markers		
stx1	Negative	Negative
stx2	Positive	Positive
Purity (post-freeze)[4]	Growth consistent with *E. coli*	Growth consistent with *E. coli*
Viability (post-freeze)[2]	Growth	Growth

[1]The deposited material was inoculated into Nutrient broth and grown 1 day at 37°C in an aerobic atmosphere, and the resulting subculture was vialed and frozen. NR-22051 was produced by inoculation of the frozen subculture into Tryptic Soy broth and grown 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles which were grown 1 day under propagation conditions to produce this lot.
[2]1 day on Tryptic Soy agar under propagation conditions
[3]Also consistent with *Shigella* species
[4]Purity of this lot was assessed for 7 days on Tryptic Soy agar under propagation conditions.

Figure 1: Colony Morphology



Date: 05 OCT 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 by the contributor 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.

Support Provided by NIAID

BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898