

***Escherichia coli* K-12, Strain MG1655**

**Catalog No. NR-2653**

**Product Description:** *Escherichia coli* K-12, strain MG1655 is a nonpathogenic rod-shaped facultative anaerobe that colonizes the lower gut of animals but also survives when released into the environment. This strain has been maintained with minimal genetic manipulation, except for removal of the bacteriophage lambda and F plasmid by ultraviolet light and acridine orange, respectively.

**Lot<sup>1</sup>: 7526038**

**Manufacturing Date: 20JUL2006**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Analytical profile index (API <sup>®</sup> 20 E)	Gram-negative rods Report results  Consistent with <i>Escherichia coli</i>	Gram-negative rods Circular, low convex, entire, translucent, glistening, smooth Consistent with <i>Escherichia coli</i>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1430 bp)  Riboprinting	Consistent with GenBank: U00096 Consistent with <i>Escherichia coli</i>  Consistent with <i>Escherichia coli</i> (≥ 85% similarity)	Consistent with GenBank: U00096 Consistent with <i>Escherichia coli</i> <sup>2</sup>  Consistent with <i>Escherichia coli</i> (≥ 85% similarity)
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

<sup>1</sup>NR-2653 was produced by inoculation of ATCC<sup>®</sup> 700926™ into Trypticase Soy Broth (BD 211768).

<sup>2</sup>Also consistent with *Shigella* species.

<sup>3</sup>24 hours at 37°C and aerobic atmosphere Trypticase Soy Broth (BD 211768).

**Date:** 14 NOV 2007

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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