

***Salmonella enterica* subsp. *enterica*, Strain NCTC 74 (Mutton)**

**Catalog No. NR-173**

(Derived from ATCC® 13311™)

**Product Description:** *Salmonella enterica* (*S. enterica*) subsp. *enterica* serovar Typhimurium (formerly *Salmonella typhimurium*) is a major cause of gastroenteritis. Septic shock resulting in part from lipopolysaccharide (LPS) is a primary complication associated with serovar Typhimurium infection.

**Lot<sup>1</sup>: 3814505**

**Manufacturing Date: 05AUG2004**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphologies <sup>2,3</sup>  Analytical profile index (API® 20 E)	Gram-negative Report results  Consistent with <i>Salmonella</i> spp.	Gram-negative Colony type 1: Circular, entire, glistening and transparent Colony type 2: Circular, entire, glistening and opaque Consistent with <i>Salmonella</i> spp.
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 520 base pairs)	Consistent with <i>S. enterica</i>	Consistent with <i>S. enterica</i> <sup>4</sup>
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>NR-173 was produced by inoculation of ATCC® 13311™ (Lot: 4098566) into Tryptic Soy Broth for 24 hours at 37°C and aerobic atmosphere. **The name indicated on the vial for this lot is *Salmonella choleraesuis* subsp. *choleraesuis*, a former designation of *S. enterica* subsp. *enterica*.**

<sup>2</sup>24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar

<sup>3</sup>Two colony types were observed

<sup>4</sup>Also consistent with other *Salmonella* species

**Date:** 05 NOV 2010

**Signature:** 

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

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