

**Salmonella enterica subsp. enterica, Strain 14028s  $\Delta fruR$  (Serovar Typhimurium)**

**Catalog No. NR-12171**

**Product Description:** *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain 14028s  $\Delta fruR$  (serovar Typhimurium) was derived from strain 14028s. The  $\Delta fruR$  mutant was produced by creating a PCR product with *fruR* homologous sequences at the 5' and 3' ends of a linear fragment containing a kanamycin resistance cassette. *S. enterica* subsp. *enterica*, strain 14028s was transformed, and insertion of the *kan* cassette was confirmed by PCR. The final non-polar deletions were completed by elimination of the *kan* cassette.

**Lot<sup>1</sup>: 61693049**

**Manufacturing Date: 19APR2013**

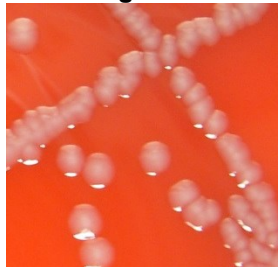
TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Analytical profile index (API <sup>®</sup> 20 E) <sup>3</sup>	Report results Report results  Consistent with <i>Salmonella</i> spp.	Gram-negative rod Circular, convex, entire, smooth and gray (Figure 1) Consistent with <i>Salmonella</i> spp.
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs) Riboprinter <sup>®</sup> Microbial Characterization System	Consistent with <i>S. enterica</i>  Consistent with <i>S. enterica</i>	Consistent with <i>S. enterica</i> subsp. <i>enterica</i> Consistent with <i>S. enterica</i> subsp. <i>enterica</i> serovar Typhimurium
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>NR-12171 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 24 hours in an aerobic atmosphere. Broth inoculum was added to kolles which was grown 24 hours at 37°C and aerobic atmosphere to produce this lot.

<sup>2</sup>24 hours at 37°C and aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>3</sup>Additional serological tests are required to determine *Salmonella* species using API<sup>®</sup> 20 E

**Figure 1**



**Date:** 30 JUL 2013

**Signature:**

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

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