

Salmonella enterica subsp. enterica, Strain 14028s Δ spvR (Seroovar Typhimurium)
Catalog No. NR-12170

Product Description: *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain 14028s Δ spvR (serovar Typhimurium) was derived from strain 14028s. The Δ spvR mutant was produced by creating a PCR product with *spvR* 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 in place of *spvR* was confirmed by PCR. The final non-polar deletions were constructed by elimination of the *kan* cassette.

Lot¹: 61693050
Manufacturing Date: 24APR2013

| TEST | SPECIFICATIONS | RESULTS |
|--|---|--|
| Phenotypic Analysis Cellular morphology Colony morphology ² Analytical profile index (API [®] 20 E) ³ | Gram-negative rod 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. |
| Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1490 base pairs) Riboprinter [®] 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 |
| Serogroup Analysis | Report results | Serogroup B ⁴ |
| Viability (post-freeze)² | Growth | Growth |

¹NR-12170 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 24 hours in an aerobic atmosphere at 37°C. Broth inoculum was added to kolles which was grown 24 hours at 37°C and aerobic atmosphere to produce this lot.

²24 hours at 37°C and aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

³Additional serological tests are required to determine *Salmonella* species using API[®] 20 E

⁴Serogroup B contains serotype Typhimurium in addition to other serotypes

Figure 1

Date: 04 OCT 2013

Signature:
Title:

Technical Manager, BEI Authentication or designee

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