

***Salmonella enterica* subsp. *enterica*, Strain 14028s Δ phoPQ (Serovar Typhimurium)**

Catalog No. NR-12173

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

Lot¹: 61693047

Manufacturing Date: 17APR2013

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, low convex, entire, smooth and gray (Figure 1) Consistent with <i>Salmonella</i> spp.
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 900 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-12173 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: 28 AUG 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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