

Salmonella enterica subsp. enterica, Strain 14028s ΔphoQ (Serovar Typhimurium)

Catalog No. NR-40554

Product Description: *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain 14028s ΔphoQ (serovar Typhimurium) was derived from strain 14028s. The ΔphoQ (STM14:1408/09, STM:1230/1) mutant was produced by creating a PCR product with phoQ 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.

Lot¹: 61834681

Manufacturing Date: 28JUN2013

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 cream (Figure 1) Consistent with <i>Salmonella</i> spp.
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 840 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-40554 was produced by inoculation of the deposited material into LB broth (supplemented with 1% Bacto-tryptone, 0.5% yeast extract and 1% sodium chloride) and grown 24 hours in an aerobic atmosphere at 37°C. Broth inoculum was added to LB agar (supplemented with 1% Bacto-tryptone, 0.5% yeast extract and 1% sodium chloride) kolles which was grown 24 hours at 37°C and aerobic atmosphere to produce this lot. Purity of this lot was accessed for 7 days under propagation conditions.

²24 hours at 37°C and aerobic atmosphere on to LB agar (supplemented with 1% Bacto-tryptone, 0.5% yeast extract and 1% sodium chloride)

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: 20 SEP 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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