

***Salmonella enterica* subsp. *enterica*, Strain 14028s *himD::kan^r* (Serovar Typhimurium)**

Catalog No. NR-12157

Product Description: *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain 14028s *himD::kan^r* (serovar Typhimurium) was derived from strain 14028s. The *himD::kan^r* mutant was produced by creating a PCR product with *himD* 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 *himD* was confirmed by PCR.

Lot¹: 61693053

Manufacturing Date: 18APR2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Analytical profile index (API [®] 20 E) ³	Report results Report results Consistent with <i>Salmonella</i> spp.	Gram-negative rod Circular, convex, entire and cream (Figure 1) Consistent with <i>Salmonella</i> spp.
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 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
Presence of Kanamycin Resistance Marker⁵	Confirmed	Confirmed
Viability (post-freeze)²	Growth	Growth

¹NR-12157 was produced by inoculation of the deposited material into Nutrient 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.

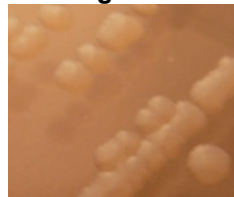
²24 hours at 37°C and aerobic atmosphere on Nutrient agar

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

⁴Serogroup B contains serotype Typhimurium in addition to other serotypes

⁵24 hours at 37°C and aerobic atmosphere on Luria-Bertani agar with 60 mg/mL kanamycin

Figure 1



Date: 17 OCT 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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