b|**e**|**i** resources

SUPPORTING INFECTIOUS DISEASE RESEARCH

Salmonella enterica subsp. enterica, Strain 14028s *Amig-14* (Serovar Typhimurium)

Catalog No. NR-40643

Product Description: Salmonella enterica (S. enterica) subsp. enterica, strain 14028s Δmig -14 (serovar Typhimurium) was derived from strain 14028s. The Δmig -14 (STM14:3354, STM:2782) mutant was produced by creating a PCR product with *mig*-14 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: 62202699

Manufacturing Date: 08JAN2014

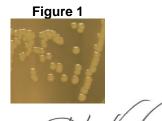
TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative rod	Gram-negative rod
Colony morphology ²	Report results	Circular, convex, entire, smooth and cream (Figure 1)
Motility (wet mount)	Report results	Motile
Analytical profile index (API [®] 20 E) ³	Consistent with Salmonella spp.	Consistent with Salmonella spp.
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 870 base pairs)	Consistent with S. enterica	Consistent with S. enterica subsp. enterica
Riboprinter [®] Microbial Characterization System	Consistent with S. enterica	Consistent with <i>S. enterica</i> subsp. <i>enterica</i> serovar Typhimurium
Serogroup Verification	Serogroup B	Serogroup B ^{4,5}
Viability (post-freeze) ²	Growth	Growth

¹NR-40643 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 an LB agar (supplemented with 1% Bacto-tryptone, 0.5% yeast extract and 1% sodium chloride) kolle which was grown 22 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

⁴No other serogroups were assayed

⁵Serogroup B contains serovar Typhimurium in addition to other serovars



Date: 28 FEB 2014

Technical Manager, BEI Authentication or designee

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