

Salmonella enterica subsp. enterica, Strain LS1059

Catalog No. NR-4347

Product Description: *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain LS1059 is a derivative of strain 14028 that expresses STM3119, tagged with 3 X FLAG epitopes. STM3119 is proposed to function as a monoamine oxidase (MaoA) that converts aminoacetone, which is the degradation product of L-threonine, to methylglyoxal.

Lot¹: 59586822

Manufacturing Date: 17NOV2010

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, entire, and cream-colored (Figure 1) Consistent with <i>Salmonella</i> spp.
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 760 bp)	Consistent with <i>S. enterica</i>	Consistent with <i>S. enterica</i>
Serogrouping	Report results	Serogroup B ⁴
Viability (post-freeze)²	Growth	Growth

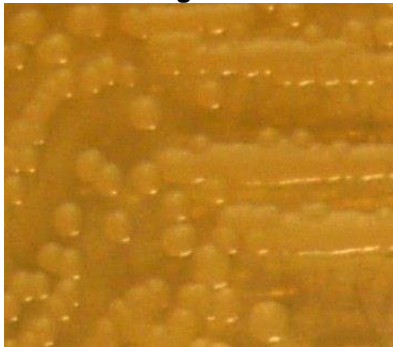
¹NR-4347 was produced by inoculation of the deposited material into Tryptic Soy Broth and grown 24 hours in an aerobic atmosphere. Broth inoculum was added to Kolles which was grown 24 hours at 37°C and aerobic atmosphere to produce this lot.

²24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar

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: 26 JUL 2011

Signature:

Title: Technical Manager, BEI Authentication or designee

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