

Salmonella enterica subsp. enterica, Strain S10801 (Serovar Typhimurium)

Catalog No. NR-22067

Product Description: *Salmonella enterica* (*S. enterica*) subsp. *enterica* serovar Typhimurium, strain S10801 was isolated in 2005 from a mesenteric lymph node of a calf with sepsis in Washington, USA.

Lot¹: 61302041

Manufacturing Date: 25OCT2012

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 rods Circular, convex, entire, smooth, glistening and gray (Figure 1) Consistent with <i>Salmonella</i> spp.
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1420 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> ⁴
Serogroup Analysis	Report results	Serogroup O ⁵
Viability (post-freeze)²	Growth	Growth

¹NR-22067 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 in an aerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

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

⁴NR-22067 tested most similar to the *S. enterica* serotype 4,5,12:i:-, which appears to be antigenically similar and genetically closely related to *Salmonella* serotype Typhimurium [see, Soyer, Y., et al. "*Salmonella enterica* Serotype 4,5,12:i:-, an Emerging *Salmonella* Serotype that Represents Multiple Distinct Clones." *J. Clin. Microbiol.* 47 (2009): 3546-3556. PubMed: [19741087](http://pubmed.ncbi.nlm.nih.gov/19741087/)].

⁵Serogroup O contains serotype Typhimurium in addition to other serotypes.

Figure 1



Date: 25 FEB 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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