

Salmonella enterica subsp. enterica, Strain S11975 (Serovar Newport)

Catalog No. NR-22087

Product Description:

Salmonella enterica (*S. enterica*) subsp. *enterica*, strain S11975 was isolated in 2006 from cattle feces in Washington, USA. NR-22087 lot 70049145 was produced by inoculation of BEI Resources seed lot 63266101 into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere. The material from the initial growth was passaged once in Tryptic Soy agar with 5% defibrinated sheep blood kolles for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70049145

Manufacturing Date: 15DEC2021

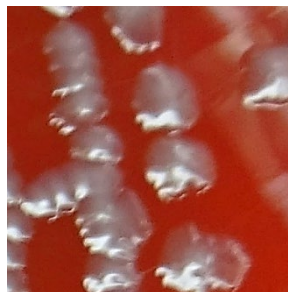
TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-negative rods Report results Report results Consistent with <i>S. enterica</i> subsp. <i>enterica</i>	Gram-negative rods Circular, convex, entire, smooth and grey (Figure 1) Motile <i>S. enterica</i> subsp. <i>enterica</i> (99.9%) ¹
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 980 base pairs)	≥ 99% sequence identity to <i>S. enterica</i> type strain (GenBank: AOXU01000020.1)	≥ 99% sequence identity to <i>S. enterica</i> type strain (GenBank: AOXU01000020.1)
Serogroup Verification	Serogroup C ₂	Serogroup C ₂ ^{2,3}
Purity 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability	Growth	Growth

¹VITEK® MS database Salmonella group consists of *S. enterica* subspecies *enterica*, serovars Enteritidis, ParatyphiB, ParatyphiC, Typhimurium and other *Salmonella* species.

²No other serogroups were assayed.

³Serogroup C₂ contains serovar Newport in addition to other serovars, refer to Ng, S. P., et al. "Detection and Serogroup Differentiation of *Salmonella* spp. in Food within 30 Hours by Enrichment-Immunoassay with a T6 Monoclonal Antibody Capture Enzyme-Linked Immunosorbent Assay." *Appl. Environ. Microbiol.* 62 (1996): 2294-2302. PubMed: 8779567.

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

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