

**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.

**Lot<sup>1</sup>: 63266116**

**Manufacturing Date: 21MAY2015**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Motility (wet mount) VITEK <sup>®</sup> MS (MALDI-TOF)	Gram-negative rod Report results  Report results Consistent with Salmonella group <sup>3</sup>	Gram-negative rod Circular, low convex, entire, smooth and gray (Figure 1) Motile Consistent with Salmonella group <sup>3</sup>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	Consistent with <i>S. enterica</i>	Consistent with <i>S. enterica</i> subsp. <i>enterica</i>
<b>Serogroup Verification</b>	Serogroup C <sub>2</sub>	Serogroup C <sub>2</sub> <sup>4,5</sup>
<b>Purity (post-freeze)<sup>6</sup></b>	Growth consistent with <i>S. enterica</i>	Growth consistent with <i>S. enterica</i>
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>The deposited material was inoculated into Nutrient broth and grown one day in an aerobic atmosphere at 37°C and preserved in 10% glycerol. NR-22087 was produced by inoculation of the preserved material into Tryptic Soy broth and grown one day in an aerobic atmosphere at 37°C. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown one day at 37°C in an aerobic atmosphere to produce this lot.

<sup>2</sup>One day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>3</sup>VITEK<sup>®</sup> MS database Salmonella group consists of *S. enterica* subspecies *enterica*, serovars Enteritidis, ParatyphiB, ParatyphiC, Typhimurium and other *Salmonella* species.

<sup>4</sup>No other serogroups were assayed.

<sup>5</sup>Serogroup C<sub>2</sub> 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.

<sup>6</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

**Figure 1: Colony Morphology**



**Date:** 24 JUL 2015

**Signature:**

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