

***Salmonella enterica* subsp. *enterica*, 2004 Pennsylvania Tomato Outbreak, Serovar Muenchen, Isolate 3**

Catalog No. NR-4313

Product Description:

Salmonella enterica (*S. enterica*) subsp. *enterica*, 2004 Pennsylvania Tomato Outbreak, Serovar Muenchen, Isolate 3 was isolated from the stool of a patient with diarrhea during the 2004 *Salmonella* outbreak in Pennsylvania. NR-4313 was produced by inoculation of the BEI Resources seed lot 58057806 into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles, which were grown 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: 70077077

Manufacturing Date: 03JUL2025

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-negative rods Report results Report results <i>S. enterica</i>	Gram-negative rods Circular, low convex, entire, smooth and cream (Figure 1) Motile <i>S. enterica</i> (99.9%)
Serogroup Analysis ¹	Report results	Serogroup C2-3
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1430 base pairs)	≥ 99% sequence identity to <i>S. enterica</i> , strain Serovar Muenchen (GenBank: CP045056.1)	99.2% sequence identity to <i>S. enterica</i> , strain Serovar Muenchen (GenBank: CP045056.1)
Purity 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability	Growth	Growth

¹Serogroup C2-C3 contains serovar Muenchen in addition to other serovars

Figure 1: Colony Morphology



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