

***Salmonella enterica* subsp. *enterica*, 2004 Pennsylvania Tomato Outbreak, Serovar Anatum, Isolate 4**

Catalog No. NR-4294

Product Description: *Salmonella enterica* (*S. enterica*) subsp. *enterica* serovar Anatum is found in domestic and wild animals and is generally spread to humans via consumption of contaminated water or food resulting in gastroenteritis.

Lot¹: 58071704

Manufacturing Date: 30JAN2008

| TEST | SPECIFICATIONS | RESULTS |
|---|--|---|
| Phenotypic Analysis Cellular morphology Colony morphology ² Analytical profile index (API® 20 E) | Gram-negative rod Report results Consistent with <i>Salmonella</i> | Gram-negative rod Circular, entire, low convex, cream Consistent with <i>Salmonella</i> |
| Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1370 bp) | Consistent with <i>S. enterica</i> | Consistent with <i>S. enterica</i> |
| PCR Assay of Extracted DNA 16S ribosomal RNA gene | ~ 1500 bp amplicon | ~ 1500 bp amplicon |
| Viability (post-freeze)³ | Growth | Growth |

¹*S. enterica* subsp. *enterica*, 2004 Pennsylvania Tomato Outbreak, Serovar Anatum, Isolate 4 was isolated from the stool of a patient with diarrhea during the 2004 *Salmonella* outbreak in Pennsylvania (PA) and deposited by Carol H. Sandt, Molecular Microbiology Section, Bureau of Laboratories, PA Department of Health, Lionville, PA. The isolated material was grown on Tryptic Soy Agar plates which were used to inoculate Tryptic Soy Broth. The culture was cryogenically preserved in 20% glycerol at -70°C until deposition. NR-4294 was produced by inoculation of the deposited material into Tryptic Soy Broth (BD 211825) and grown 24 hours at 37°C and aerobic atmosphere. Broth inoculum was added to Kolles which were 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 (BD 236950)

³24 hours at 37°C and aerobic atmosphere in Tryptic Soy Broth.

Date: 18 JUL 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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