

Certificate of Analysis for NR-20740

Salmonella enterica subsp. enterica, Strain IN01 (Serovar Tennessee)

Catalog No. NR-20740

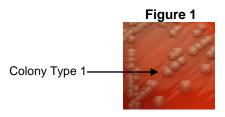
Product Description: Salmonella enterica (S. enterica) subsp. enterica serovar Tennessee, strain IN01 was isolated in December 2006 from the stool of a 52-year-old patient in Marion County, Indianapolis, Indiana, USA.

Lot¹: 61302033 Manufacturing Date: 24OCT2012

| TEST | SPECIFICATIONS | RESULTS |
|---|---------------------------------|--|
| Phenotypic Analysis | | |
| Cellular morphology | Report results | Gram-negative rods |
| Cellular morphology Colony morphologies ^{2,3} | Report results | Colony type 1: Circular, low convex, entire and gray (Figure 1) Colony type 2: Irregular, flat, undulate and gray (Figure 2) |
| Analytical profile index (API [®] 20 E) ⁴ | Consistent with Salmonella spp. | Consistent with Salmonella spp. |
| Vitek® Gram-negative identification card (GN) | Report results | Consistent with S. enterica subsp. enterica |
| Genotypic Analysis | | |
| Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs) | Consistent with S. enterica | Consistent with S. enterica subsp. enterica |
| Riboprinter [®] Microbial Characterization System | Consistent with S. enterica | Consistent with S. enterica subsp. enterica serovar Tennessee |
| Serogroup Analysis | Report results | Serogroup C ₁ ⁵ |
| Viability (post-freeze) ² | Growth | Growth |

¹The deposited material was inoculated into Tryptic Soy Broth and incubated for 24 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to kolles, which were incubated for 24 hours at 37°C in an aerobic atmosphere to produce this lot.

⁵Serogroup C₁ contains serovar Tennessee in addition to other serovars



Signature:

Colony Type 2

Title: Technical Manager, BEI Authentication or designee

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

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Date: 08 MAY 2013

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²24 hours at 37°C in an aerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

³Two colony types were observed. Plating of the individual colony types showed that they did not revert back to the mixed colony type. The 16S ribosomal RNA gene of each colony type was sequenced and found to be consistent with *S. enterica* subsp. *enterica*.

⁴Additional serological tests are required to determine Salmonella species using API[®] 20 E