

***Salmonella enterica* subsp. *enterica*, Strain SL474 (CVM23701) (Serovar 4,[5],12:i:–)**

Catalog No. NR-28790

Product Description: *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain SL474 (also referred to as CVM23701), was isolated in 2002 from a human in Iowa, USA. This strain is reported to be antibiotic-susceptible. **Note: The serovar designation on the vial label is incomplete. The serovar is 4,[5],12:i:–.**

Lot¹: 61662346

Manufacturing Date: 05APR2013

| TEST | SPECIFICATIONS | RESULTS |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Phenotypic Analysis Cellular morphology Colony morphology ² Analytical profile index (API [®] 20 E) ³ | Report results Report results Consistent with <i>Salmonella</i> spp. | Gram-negative rods Circular, convex, entire, smooth and cream (Figure 1) Consistent with <i>Salmonella</i> spp. |
| Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1485 base pairs) Riboprinter [®] Microbial Characterization System | Consistent with <i>S. enterica</i> Consistent with <i>S. enterica</i> | Consistent with <i>S. enterica</i> subsp. <i>enterica</i> Consistent with <i>S. enterica</i> subsp. <i>enterica</i> serovar 4,[5],12:i:– |
| Serogroup Analysis | Report results | Serogroup B ⁴ |
| Viability (post-freeze)² | Growth | Growth |

¹NR-28790 was produced by inoculation of the deposited material into Nutrient broth and incubated 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.

²24 hours at 37°C in an aerobic atmosphere on Nutrient agar

³Additional serological tests are required to determine *Salmonella* species using API[®] 20 E.

⁴Serogroup B contains serovar Typhimurium, in addition to other serovars, which appears to be antigenically similar and genetically closely related to *Salmonella* serovar 4,[5],12:i:– [see, Soyer, Y., et al. "Salmonella enterica Serotype 4,5,12:i:–, an Emerging *Salmonella* Serotype that Represents Multiple Distinct Clones." *J. Clin. Microbiol.* 47 (2009): 3546-3556. PubMed: [19741087](https://pubmed.ncbi.nlm.nih.gov/19741087/)].

Figure 1



Date: 06 NOV 2013

Signature:

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.

ATCC[®] is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

