

Certificate of Analysis for NR-28799

Salmonella enterica subsp. enterica, Strain SL485 (CVM35947) (Serovar Hadar)

Catalog No. NR-28799

Product Description: Salmonella enterica (S. enterica) subsp. enterica strain SL485 (also referred to as CVM35947 and RI_05P066), was isolated in 2005 from a human patient in Massachusetts, USA. This strain is reported to be resistant to tetracycline.

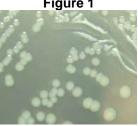
Lot¹: 61683856 Manufacturing Date: 17APR2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Analytical profile index (API [®] 20 E) ³	Report results Report results Consistent with Salmonella spp.	Gram-negative rods Circular, low convex, entire, smooth and cream (Figure 1) Consistent with Salmonella spp.
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 950 base pairs) Riboprinter® Microbial Characterization System	Consistent with S. enterica Consistent with S. enterica	Consistent with <i>S. enterica</i> subsp. enterica ⁴ Consistent with <i>S. enterica</i> subsp. enterica serovar Hadar
Serogroup Analysis	Report results	Serogroup C ₂ ⁵
Viability (post-freeze) ²	Growth	Growth

NR-28799 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.

⁵Serogroup C₂ contains serovar Hadar in addition to other serovars [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): 2794-2302. PubMed: 8779567.].





Date: 06 NOV 2013 Signature:

> Title: Technical Manager, BEI Authentication or designee

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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.

⁴≥ 99% identical to GenBank: ABFG01000005 (*S. enterica* subsp. *enterica*, serovar Hadar, strain RI_05P066)