

***Salmonella enterica* subsp. *enterica*, Strain SL491 (CVM36357) (Serovar Virchow)**

Catalog No. NR-28801

Product Description: *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain SL491 (also referred to as CVM36357), was isolated in 2005 from an infected patient in Connecticut, USA. Prior to the onset of illness, the patient had visited a farm in India and had exposure to farm animals. This strain is reported to be multi-drug resistant.

Lot¹: 61683858

Manufacturing Date: 19APR2013

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, low convex, entire, smooth and translucent (Figure 1) Consistent with <i>Salmonella</i> spp.
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1480 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> ⁴ Consistent with <i>S. enterica</i> subsp. <i>enterica</i> serovar Virchow
Serogroup Analysis	Report results	Serogroup C ₁ ⁵
Viability (post-freeze)²	Growth	Growth

¹NR-28801 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.

⁴≥ 99% identical to GenBank: ABFH02000001 (*S. enterica* subsp. *enterica*, serovar Virchow, strain SL491)

⁵Serogroup C₁ contains serovar Virchow 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.].

Figure 1



Date: 06 NOV 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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