

**Salmonella enterica subsp. enterica, Strain SL473 (CVM19633) (Serovar Schwarzengrund)**

**Catalog No. NR-28789**

**Product Description:** *Salmonella enterica* (*S. enterica*) subsp. *enterica* serovar Schwarzengrund, strain SL481 (also referred to as CVM19633) was isolated from dehydrated chili in Thailand in 2002. This strain is reported to be multi-drug resistant.

**Lot<sup>1</sup>: 61662347**

**Manufacturing Date: 05APR2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Analytical profile index (API <sup>®</sup> 20 E) <sup>3</sup>	Report results Report results  Consistent with <i>Salmonella</i> spp.	Gram-negative rod Circular, convex, entire, smooth and cream (Figure 1) Consistent with <i>Salmonella</i> spp.
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1490 base pairs) Riboprinter <sup>®</sup> 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> <sup>4</sup> Consistent with <i>S. enterica</i> subsp. <i>enterica</i> serovar Typhimurium
<b>Serogroup Analysis</b>	Report results	Serogroup B <sup>5</sup>
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>The deposited material was inoculated 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.

<sup>2</sup>24 hours at 37°C in an aerobic atmosphere on Nutrient Agar

<sup>3</sup>Additional serological tests are required to determine *Salmonella* species using API<sup>®</sup> 20 E

<sup>4</sup>≥ 99% identical to GenBank: CP001127 (*S. enterica* subsp. *enterica* serovar Schwarzengrund, strain CVM19633)

<sup>5</sup>Serogroup B contains serotype Schwarzengrund in addition to other serotypes [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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