

Salmonella enterica subsp. enterica, Strain S5682 (Serovar Typhimurium)

Catalog No. NR-22068

Product Description: *Salmonella enterica* (*S. enterica*) subsp. *enterica*, strain S5682 was isolated in 2000 from cattle feces in Washington State, USA. *S. enterica* subsp. *enterica*, strain S5682 is a multi-drug resistant strain that is reported to be resistant to ampicillin, chloramphenicol, kanamycin, sulfa-trimethoprim, triple-sulfa (a combination of sulfadiazine, sulfamethazine, and sulfamerazine), streptomycin, tetracycline and ceftazidime. Strain S5682 is reported to contain an approximately 150 kilobase pair *bla*_{CMY-2} plasmid.

Lot¹: 61662357

Manufacturing Date: 11APR2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Analytical profile index (API® 20 E) ³	Gram-negative rod Report results Consistent with <i>Salmonella</i> spp.	Gram-negative rod Circular, low convex, entire, smooth and gray (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> Consistent with <i>S. enterica</i> subsp. <i>enterica</i> serovar Typhimurium
Serogroup Analysis	Report results	Serogroup B ⁴
Viability (post-freeze)²	Growth	Growth

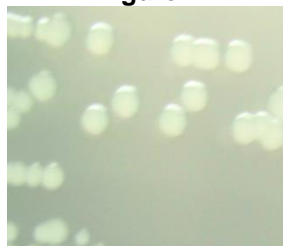
¹NR-22068 was produced by inoculation of the deposited material into Nutrient broth and grown 24 hours in an aerobic atmosphere at 37°C. Broth inoculum was added to kolles which was grown 24 hours at 37°C and aerobic atmosphere to produce this lot. Purity of this lot was accessed for 7 days under propagation conditions.

²24 hours at 37°C and aerobic atmosphere on Nutrient agar

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

⁴Serogroup B contains serotype Typhimurium in addition to other serotypes.

Figure 1



Date: 07 OCT 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.

