

Salmonella enterica subsp. enterica, Strain DT4 (LT2)

Catalog No. NR-13554

Product Description: *Salmonella enterica* (*S. enterica*) subsp. *enterica* serovar Typhimurium, strain DT4 (LT2) was isolated from a chicken in India in the 1940s by Lilleengen and typed based on phage sensitivity.

Lot¹: 58772854

Manufacturing Date: 26AUG2009

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, convex, entire, transparent and cream (Figure 1) Consistent with <i>Salmonella</i> spp.
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 bp)	Consistent with <i>S. enterica</i>	Consistent with <i>S. enterica</i>
PCR Assay of Extracted DNA 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Serogrouping	Report results	Serogroup B ⁴
Viability (post-freeze)²	Growth	Growth

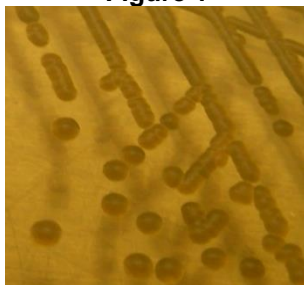
¹*S. enterica* subsp. *enterica*, strain DT4 (LT2) was produced by inoculation of the deposited material into Tryptic Soy Broth and grown 24 hours in an aerobic atmosphere. Broth inoculum was added to Kolles which was grown 24 hours at 37°C and aerobic atmosphere to produce this lot.

²24 hours at 37°C and aerobic atmosphere on Tryptic Soy 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: 13 SEP 2011

Signature:

Title: Technical Manager, BEI Authentication or designee

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