

Listeria marthii, Strain FSL S4-710

Catalog No. NR-9581

Product Description: *Listeria marthii* (*L. marthii*), strain FSL S4-710 was isolated from flowing run-off water collected on July 9, 1998, in the Connecticut Hill Wildlife Management Area, New York, USA.

Lot¹: 61834519

Manufacturing Date: 11JUL2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis on blood agar ^{2,3} Motility at 37°C Catalase	Gram-positive rod Report results Non-hemolytic Report results Positive	Gram-positive rods Circular, low convex, entire, opaque, smooth and gray (Figure 1) Non-hemolytic Non-motile Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1490 bp)	Consistent with <i>L. marthii</i>	Consistent with <i>L. marthii</i> ⁴
Viability (post-freeze)²	Growth	Growth

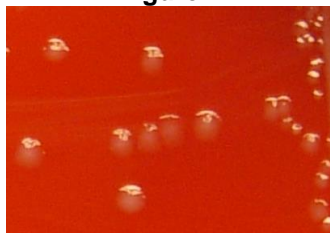
¹NR-9581 was produced by inoculation of the deposited material into Brain Heart Infusion broth and grown 24 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown 24 hours at 37°C in an aerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

²22 hours at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

³*L. marthii* is reported to be non-hemolytic on blood agar; Graves, L. M., et al. "*Listeria marthii* sp. nov., Isolated from the Natural Environment, Finger Lakes National Forest." *Int. J. Syst. Evol. Microbiol.* 60 (2010): 1280-1288. PubMed: 19667380.

⁴≥ 99% identical to *L. marthii*, strain FSL S4-710 (GenBank: EU545983)

Figure 1



Date: 09 JUL 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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