

Listeria marthii, Strain FSL S4-120

Catalog No. NR-9579

Product Description: *Listeria marthii* are a Gram-positive, motile, nonsporing, aerobic, facultatively anaerobic bacteria. They are non-hemolytic and exhibit the general characteristics of the genus *Listeria*.

Lot¹: 58076202

Manufacturing Date: 05MAR2008

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Biochemical characterization: Analytical profile index (API® <i>Listeria</i>) Beta-hemolysis Catalase activity	Gram-positive rod Report results Consistent with <i>Listeria</i> species Negative Positive	Gram-positive rod Circular, flat, entire, gray Consistent with <i>Listeria</i> species ³ Negative Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 650 bp)	Consistent with <i>Listeria</i> species	Consistent with <i>Listeria</i> species ³
PCR Assay of Extracted DNA 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze)⁴	Growth	Growth

¹NR-9579 was prepared by Brain Heart Infusion broth (BD 237500) culture of the deposited material for 24 hours at 37°C and aerobic atmosphere.

²24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar (BD 236950) with 5% defibrinated sheep blood.

³*Listeria marthii* is a new species of *Listeria* and it is absent from current databases and literature utilized for identification.

⁴24 hours at 37°C and aerobic atmosphere in Brain Heart Infusion broth.

Date: 03 JUL 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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