

Listeria monocytogenes, Strain Li 23

Catalog No. NR-109

(Derived from ATCC® 19114™)

Product Description: *Listeria monocytogenes* (*L. monocytogenes*) is a Gram-positive, facultative intracellular bacterium that is extremely tolerant of external stresses.

Lot¹: 3655765

Manufacturing Date: 25MAR2004

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Biochemical characterization: Analytical profile index (API® Listeria) β-hemolysis ³ Catalase activity	Gram-positive rod Report results Consistent with <i>L. monocytogenes</i> Report results Positive	Gram-positive rod Circular, entire, convex, gray-white Consistent with <i>L. monocytogenes</i> Positive Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 505 bp)	Consistent with <i>L. monocytogenes</i>	Consistent with <i>L. monocytogenes</i> ⁴
Viability (post-freeze)⁵	Growth	Growth

¹NR-109 was prepared by Brain Heart Infusion broth (BD 237500) culture of ATCC® 19114™ for 24 hours at 37°C and aerobic atmosphere.

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

³Hemolytic activity on blood agar is generally used to distinguish *L. monocytogenes* from other *Listeria* species.

⁴Also consistent with other *Listeria* species

⁵24 hours at 37°C and aerobic atmosphere

Date: 27 AUG 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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