

## **Certificate of Analysis for NR-13229**

## Listeria monocytogenes, Strain FSL J1-194

Catalog No. NR-13229

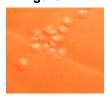
**Product Description**: Listeria monocytogenes (L. monocytogenes), strain FSL J1-194, was isolated from a sporadic human listeriosis case and has a ribotype of DUP-1042B.

Lot<sup>1</sup>: 58580363 Manufacturing Date: 16APR2009

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive rod	Gram-positive rod
Colony morphology <sup>2</sup>	Report results	Circular, low convex, entire, gray-white and opaque (Figure 1)
Growth at 4°C <sup>3</sup>	Growth	Growth
Motility at 26°C	Positive	Positive
Motility at 37°C	Positive	Positive
Biochemical characterization:		
Analytical profile index (API® Listeria)	Consistent with L. monocytogenes	Consistent with L. monocytogenes
β-hemolysis <sup>4</sup>	Positive	Positive
Catalase activity	Positive	Positive
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene ( ~ 1420 bp)	Consistent with L. monocytogenes	Consistent with <i>L. monocytogenes</i> <sup>5</sup>
RiboPrinter Microbial Characterization System	Consistent with L. monocytogenes	Consistent with L. monocytogenes
Viability (post-freeze) <sup>2</sup>	Growth	Growth

<sup>&</sup>lt;sup>1</sup>NR-13229 was produced by inoculation of the deposited material into Brain Heart Infusion broth and grown 24 hours at 37°C and aerobic atmosphere. Broth inoculum was added to Kolles (Tryptic Soy Agar with 5% defibrinated sheep blood) which were grown 24 hours at 37°C and aerobic atmosphere to produce this lot.

Figure 1



**Date:** 05 MAY 2011

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.

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<sup>&</sup>lt;sup>2</sup>24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

<sup>&</sup>lt;sup>3</sup>7 days in an aerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

<sup>&</sup>lt;sup>4</sup>Hemolytic activity on blood agar is generally used to distinguish *L. monocytogenes* from other *Listeria* species

<sup>&</sup>lt;sup>5</sup>Also consistent with other *Listeria* species