

**Listeria monocytogenes, Strain FSL J2-003**

**Catalog No. NR-13234**

**Product Description:** *Listeria monocytogenes* (*L. monocytogenes*) is a Gram-positive, facultative intracellular bacterium that is extremely tolerant of external stresses. *L. monocytogenes*, strain FSL J2-003 was isolated in February 1993 from an aborted bovine fetus.

**Lot<sup>1</sup>: 58792202**

**Manufacturing Date: 07OCT2009**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Growth at 4°C <sup>3</sup> Motility at 26°C Motility at 35°C Biochemical characterization: Analytical profile index (API® Listeria) β-hemolysis <sup>4</sup> Catalase activity	Gram-positive rod Report results  Positive Positive Report results  Consistent with <i>L. monocytogenes</i> Positive Positive	Gram-positive rod Circular, flat, entire, gray, smooth (Figure 1) Positive Positive Positive  Consistent with <i>L. monocytogenes</i> Positive Positive
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 890 bp)	Consistent with <i>L. monocytogenes</i>	Consistent with <i>L. monocytogenes</i> <sup>5</sup>
<b>PCR Assay of Extracted DNA</b> 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
<b>Viability (post-freeze)<sup>6</sup></b>	Growth	Growth

<sup>1</sup>NR-13234 was produced by inoculation of the deposited material into Brain Heart Infusion broth (BD 237500) and grown 24 hours at 37°C and aerobic atmosphere. Broth inoculum was added to Kolles which were grown 24 hours at 37°C and aerobic atmosphere to produce this lot.

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

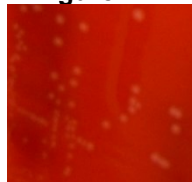
<sup>3</sup>7 days in an aerobic atmosphere in Brain Heart Infusion broth and on Tryptic Soy Agar with 5% defibrinated sheep blood plates

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

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

<sup>6</sup>24 hours at 37°C and aerobic atmosphere in Brain Heart Infusion broth

**Figure 1**



**Date:** 18 FEB 2010

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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