

Listeria monocytogenes, Strain J0161

Catalog No. NR-13225

Product Description: *Listeria monocytogenes* (*L. monocytogenes*), strain J0161 was isolated from a case of human listeriosis linked to a multi-state outbreak from a turkey processing plant in the United States in 2000.

Lot¹: 58734729

Manufacturing Date: 06AUG2009

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Growth at 4°C ³ Motility at 26°C Motility at 35°C Biochemical characterization: Analytical profile index (API® <i>Listeria</i>) β-hemolysis ⁴ Catalase activity	Gram-positive rod Report results Positive Motile Report results Consistent with <i>L. monocytogenes</i> Positive Positive	Gram-positive rod Circular, flat, smooth, entire, translucent and gray-white (Figure 1) Positive Motile Motile Consistent with <i>L. monocytogenes</i> Positive Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1410 bp) RiboPrinter® Microbial Characterization System	Consistent with <i>L. monocytogenes</i> Consistent with <i>L. monocytogenes</i>	Consistent with <i>L. monocytogenes</i> ⁵ Consistent with <i>L. monocytogenes</i>
PCR Assay of Extracted DNA 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze)²	Growth	Growth

¹NR-13225 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.

²24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

³7 days in an aerobic atmosphere in Brain Heart Infusion broth and on Tryptic Soy Agar with 5% defibrinated sheep blood plates

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

⁵Also consistent with other *Listeria* species

Figure 1



Date: 17 NOV 2010

Signature: 

Title: Technical Manager, BEI Authentication or designee

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