SUPPORTING INFECTIOUS DISEASE RESEARCH

Listeria monocytogenes, Strain FSL N1-017

Catalog No. NR-13231

Product Description: *Listeria monocytogenes (L. monocytogenes)* is a Gram-positive, facultative intracellular bacterium that is extremely tolerant of external stresses. *L. monocytogenes*, strain FSL N1-017 was isolated from trout in brine and is not associated with any human disease cases.

Lot¹: 58580365

Manufacturing Date: 15APR2009

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive rod	Gram-positive rod
Colony morphology ²	Report results	Circular, entire, low convex, gray, opaque (Figure 1)
Growth at 4°C ³	Positive	Positive
Motility at 26°C	Positive	Positive
Motility at 35°C	Report results	Positive
Biochemical characterization:		
Analytical profile index (API [®] Listeria)	Consistent with L. monocytogenes	Consistent with L. monocytogenes
β-hemolysis ⁴	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> ⁵
PCR Assay of Extracted DNA 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze) ²	Growth	Growth

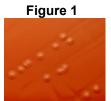
¹NR-13231 was produced by inoculation of the deposited material into Nutrient broth and grown 24 hours at 37°C and aerobic atmosphere. Broth inoculum was added to Kolles (Tryptic Soy Agar with 5% defibrinated sheep blood) which were grown 24 hours at 37°C and aerobic atmosphere to produce this lot.

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 (BD 237500) 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



Date: 02 MAR 2010

Signature: Signature on File

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.



Biodefense and Emerging Infections Research Resources Repository www.beiresources.org E-mail: <u>contact@beiresources.org</u> Tel: 800-359-7370 Fax: 703-365-2898 bieii resources

SUPPORTING INFECTIOUS DISEASE RESEARCH

ATCC[®] is a trademark of the American Type Culture Collection. You are authorized to use this product for research use only. It is not intended for human use.