DICIÍ RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Listeria monocytogenes, Strain FSL J2-064

Catalog No. NR-13237

Product Description: Listeria monocytogenes (L. monocytogenes) is a Gram-positive, facultative intracellular bacterium that is extremely tolerant of external stresses. L. monocytogenes, strain FSL J2-064 was isolated in April 1989 from bovine abortion.

Lot¹: 58666837

Manufacturing Date: 08JUL2009

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive	Gram-positive
Colony morphology ²	Report results	Circular, raised, entire, glistening (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 <i>L. monocytogenes</i>	Consistent with L. monocytogenes
β-hemolysis ⁴	Positive	Positive
Catalase activity	Positive	Positive
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1380 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) ⁶	Growth	Growth

¹NR-13237 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.

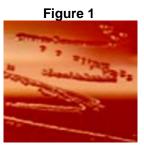
²24 hours at 37°C and aerobic atmosphere in Tryptic Soy Agar with 5% defibrinated sheep blood

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

⁶24 hours at 37°C and aerobic atmosphere in Brain Heart Infusion broth



Date: 28 JAN 2010

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