

Listeria monocytogenes, Strain 10403s

Catalog No. NR-13223

Product Description: *Listeria monocytogenes* (*L. monocytogenes*), strain 10403s is a streptomycin-resistant isolate of strain 10403, which was isolated from a human skin lesion obtained by Montana State University.

Lot¹: 58666839

Manufacturing Date: 24JUN2009

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® Listeria) β-hemolysis ⁴ Catalase activity	Gram-positive rod Report results Growth Positive Positive Consistent with <i>L. monocytogenes</i> Positive Positive	Gram-positive rod Circular, raised, entire, gray-white and glistening (Figure 1) Growth Positive Positive Consistent with <i>L. monocytogenes</i> Negative Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 980 bp)	Consistent with <i>L. monocytogenes</i>	Consistent with <i>L. monocytogenes</i> ⁵
Viability (post-freeze)²	Growth	Growth

¹NR-13223 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 on Tryptic Soy Agar with 5% defibrinated sheep blood

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: 05 MAY 2011

Signature:

Title: Technical Manager, BEI Authentication or designee

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