

Yersinia pseudotuberculosis, Strain YPIII (p+)

Catalog No. NR-4380

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Product Description: *Yersinia pseudotuberculosis* (*Y. pseudotuberculosis*) is a small rod-shaped, Gram-negative bacterium. It is termed pseudotuberculosis since it causes lesions in the lung that are similar to those observed during tuberculosis infection. *Y. pseudotuberculosis* infections are not frequent, but a mesenteric adenitis that mimics an acute appendicular syndrome is the most common clinical presentation.

Lot¹: 57852114

Manufacturing Date: 09AUG2007

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Analytical profile index (API 20 E [®])	Gram-negative rods Report results Consistent with <i>Y. pseudotuberculosis</i>	Gram-negative rods Circular, convex, entire, opaque Consistent with <i>Y. pseudotuberculosis</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 710 bp) Riboprinting	Consistent with <i>Y. pseudotuberculosis</i> Consistent with <i>Y. pseudotuberculosis</i> (≥ 85% similarity)	Consistent with <i>Y. pseudotuberculosis</i> ³ Consistent with <i>Y. pseudotuberculosis</i> (≥ 98% similarity)
PCR Assay of Extracted DNA 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze)²	Growth on agar	Growth on agar

¹*Y. pseudotuberculosis*, strain YPIII (p+) was deposited by James B. Bliska, Associate Professor from the Department of Molecular Genetics and Microbiology, Center for Infectious Diseases, State University of New York at Stony Brook, Stony Brook, New York. The deposited material was prepared by broth (Luria Broth) culture. NR-4380 was prepared by broth (Tryptic Soy Broth) culture of the deposited material.

²24 hours at 28°C and aerobic atmosphere on Tryptic Soy Agar.

³Also consistent with other *Yersinia* species.

Date: 09 JAN 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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