

***Yersinia pseudotuberculosis*, Strain IP2790**

**Catalog No. NR-4374**

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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.

**Lot<sup>1</sup>: 57852111**

**Manufacturing Date: 02AUG2007**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup> Analytical profile index (API 20 E <sup>®</sup> )	Gram-negative rods Report results Consistent with <i>Y. pseudotuberculosis</i>	Gram-negative rods Circular, convex, entire, opaque Consistent with <i>Y. pseudotuberculosis</i>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1460 bp) Riboprinting	Consistent with <i>Y. pseudotuberculosis</i>  Consistent with <i>Y. pseudotuberculosis</i> (≥ 85% similarity)	Consistent with <i>Y. pseudotuberculosis</i> <sup>3</sup>  Consistent with <i>Y. pseudotuberculosis</i> (98% similarity)
<b>PCR Assay of Extracted DNA</b> 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
<b>Viability (post-freeze)<sup>2</sup></b>	Growth on agar	Growth on agar

<sup>1</sup>*Y. pseudotuberculosis*, strain IP2790 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-4374 was prepared by broth (Tryptic Soy Broth) culture of the deposited material.

<sup>2</sup>24 hours at 28°C and aerobic atmosphere on Brain Heart Infusion agar (BD 241830).

<sup>3</sup>Also consistent with other *Yersinia* species.

**Date:** 09 JAN 2008

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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