

***Yersinia pestis*, Strain A1122**

**Catalog No NR-15**

(Derived from ATCC® 11953™)

**Product Description:** *Yersinia pestis* (*Y. pestis*) is an aerobic, non-spore-forming, gram-negative rod-shaped bacterium. *Y. pestis* A1122 is an avirulent strain which contains the 110 kb and the 19 kb plasmids, but lacks the 70 kb plasmid that is essential for virulence as well as the unstable chromosomal *pgm* locus.

**Lot<sup>1</sup>: 3776770**

**Manufacturing Date: 21JUL2004**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Analytical profile index (API 20 E®)	Gram-negative rods Report results  Consistent with <i>Y. pestis</i>	Gram-negative rods Circular, low convex, entire, translucent Consistent with <i>Y. pestis</i>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 430 bp)	Consistent with <i>Y. pestis</i>	Consistent with <i>Y. pestis</i> <sup>3</sup>
<b>Presence of Plasmid Confirmed by PCR Amplification of Plasmid-Specific Sequence from Extracted DNA</b> 110 kb plasmid 19 kb plasmid	~ 1200 bp amplicon ~ 400 bp amplicon	~ 1200 bp amplicon ~ 400 bp amplicon
<b>Viability (post-freeze)<sup>2</sup></b>	Growth on agar	Growth on agar

<sup>1</sup>NR-15 was produced by inoculation of ATCC® 11953™ into Tryptic Soy Broth (BD 211825).

<sup>2</sup>24 hours at 37°C and aerobic atmosphere with 5% CO<sub>2</sub> on Trypticase Soy Agar with 5% Sheep Blood.

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

**Date:** 26 AUG 2006

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication

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