

***Yersinia pestis* Multiplex PCR Primers for Plasmid Detection**

Catalog No. NR-14686

This reagent is the tangible property of the U.S. Government.

Product Description: NR-14686 consists of a mixture of forward and reverse primers that are designed to detect the pPCP1, pMT1 and pCD1 plasmids as well as a chromosomal marker unique to *Yersinia pestis* (*Y. pestis*) using standard polymerase chain reactions.

Lot: 58651370

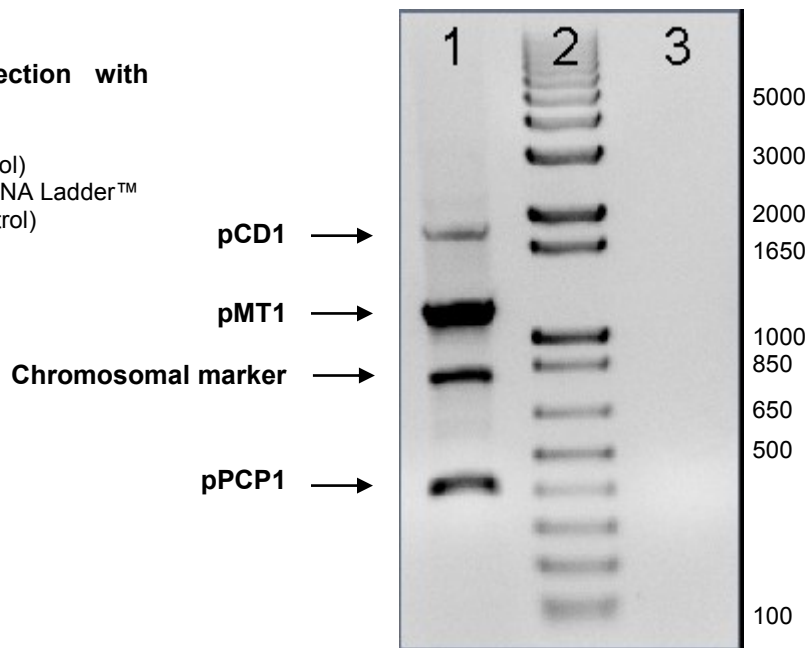
Manufacturing Date: 01JUL2009

TEST	SPECIFICATIONS	RESULTS
PCR Amplification and Sequencing¹		
Amplicon size	Expected size	Expected size (Figure 1)
pPCP1	~ 398 bp	~ 398 bp
pMT1	~ 1178 bp	~ 1178 bp
pCD1	~ 1864 bp	~ 1864 bp
<i>Y. pestis</i> chromosomal marker	~ 799 bp	~ 799 bp
NCBI blast of sequence	Consistent with sequence	Consistent with sequence

¹*Y. pestis* genomic DNA from BEI Resources NR-2715 was used as a template for PCR amplification. NR-2715 contains all three *Y. pestis* plasmids

Figure 1: Plasmid Detection with Multiplex PCR Primers

Lane 1: NR-2715 (Positive control)
 Lane 2: Invitrogen™ 1Kb Plus DNA Ladder™
 Lane 3: NR-2646 (Negative control)



Date: 28 JUN 2010

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

ATCC[®] is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

