

# *Yersinia pestis* Target 1


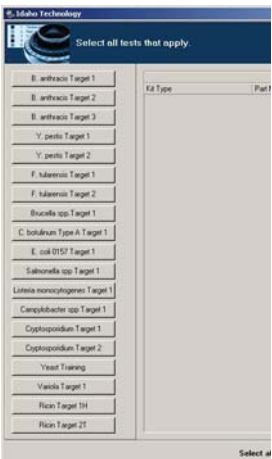
## Detection Kit for Hybridization Probe Assays

This kit and accompanying information is designed for the detection of *Y. pestis* Target 1 DNA. This kit is for research use only and not for use in diagnostic procedures. Refer to the *Freeze-Dried Reagent Detection Kit Instruction Booklet for Hybridization Probes* (ASAY-PRT-0131, **PCR protocol for DNA**) for protocols, reagent setup, results analysis, and additional information.

Sample	Specificity
Isolated DNA	This kit has demonstrated specific detection of <i>Y. pestis</i> Target 1 versus a panel of 40 organisms, both related and unrelated (see back). Specificity was 100%.

### Software

The instructions shown below are given for three R.A.P.I.D. instrument models and software. Use the appropriate instructions for your system. System number can be found on the serial plate.

Model 7200	Models 9200 and LT
<p>Select <b>Y. Pestis</b> from the Batch Test menu on the software screen.</p> 	<p>Select <b>Y. pestis Target 1</b> from the software wizard screen.</p> 

# Validated Strains

This validated ***Y. pestis* Target 1** assay recognizes the following strains:

<i>Y. pestis</i> D27	<i>Y. pestis</i> 16-34 (Vietnam 1970)	<i>Y. pestis</i> ZE942122 (Zimbabwe 1994)
<i>Y. pestis</i> 516 (Nepal 1969)	<i>Y. pestis</i> Harbin (China 1940)	<i>Y. pestis</i> 17721 (India 1994)
<i>Y. pestis</i> PEXU 2 (Brazil 1966)	<i>Y. pestis</i> 195/P (India 1898)	

This validated ***Y. pestis* Target 1** assay shows no cross-reactivity against the following organisms:

<i>Citrobacter freundii</i> ATCC 8090	<i>Salmonella enteritidis</i>	<i>Y. ruckeri</i> Lot: CA060800J
<i>Enterobacter cloacae</i> ATCC 23335	<i>S. typhi</i>	<i>Y. pestis</i> str. EV76
<i>Enterobacter aerogenes</i> ATCC13048	<i>S. typhimurium</i> ATCC 14028	<i>Y. aldovae</i> ATCC 35236
<i>Escherichia coli</i> ATCC 25922	<i>S. choleraesuis</i> ATCC 6539	<i>Y. bercovieri</i> str. ER-2937 ATCC 43970
<i>Hafnia alvei</i>	<i>S. dublin</i>	<i>Y. intermedia</i> 29909
<i>Klebsiella oxytoca</i>	<i>S. gallinarum</i>	<i>Y. mollatetii</i> 43969
<i>Morganella morganii</i>	<i>Serratia marcescens</i> ATCC 8100	<i>Erwinia herbicola</i>
<i>Pasteuralla multocida</i>	<i>Yersinia enterocolitica</i> Lot: CA060800K	<i>Klebsiella pneumoniae</i>
<i>Plesiomonas shigelloides</i> str. M5151903	<i>Y. frederiksenii</i> Lot: SR051700F	<i>Kluyvera ascorbata</i>
<i>Proteus mirabilis</i>	<i>Y. kristensenii</i> Lot: SR051700D	<i>Providencia rettgeri</i>
<i>Rahnella aquatilis</i> ATCC 33989	<i>Y. pseudotuberculosis</i> Lot: CA060800H	