

# *Bacillus anthracis* Target 2

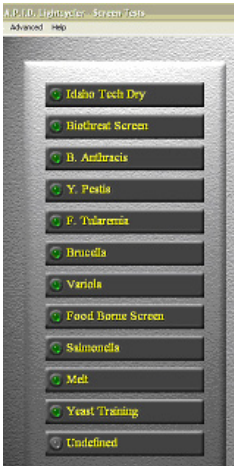
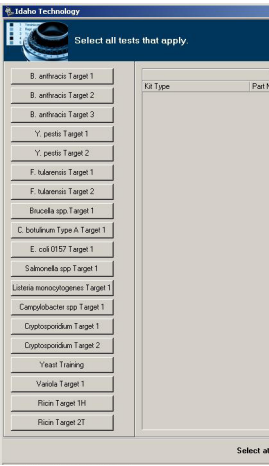
## *Detection Kit for Hybridization Probe Assays*

This kit and accompanying information is designed for the detection of *Bacillus anthracis* Target 2 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>B. anthracis</i> Target 2 versus a panel of 80 organisms, both related and unrelated (see back). Specificity was 100%.

### Software

The instructions shown below are given for three R.A.P.I.D.<sup>®</sup> 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>B. Anthracis</b> from the Batch Test menu on the software screen.</p> 	<p>Select <b>B. anthracis Target 2</b> from the software wizard screen.</p> 

# Validated Strains

This validated ***B. anthracis* Target 2** assay recognizes the following strains:

B.a. delta-Ames	B.a. GT 30	B.a. GT 87	B.a. GT 3
B.a. Vollum	B.a. GT 62	B.a. GT 10	B.a. GT 23
B.a. Zimbabwe	B.a. GT 77	B.a. GT 57	B.a. GT 51
B.a. GT 41	B.a. GT 80	B.a. GT 25	B.a. Ames
B.a. GT 34	B.a. GT 28	B.a. GT 45	B.a. Sterne
B.a. GT 85	B.a. GT 38	B.a. GT 68	
B.a. GT 29	B.a. GT 69	B.a. GT 20	
B.a. GT 55	B.a. GT 35	B.a. GT 15	

This validated ***B. anthracis* Target 2** assay shows no cross-reactivity against the following organisms:

<i>Bacillus cereus</i> 3A	<i>Clostridium botulinum</i> A	WHMC 36-35
B.c. 4342	<i>Clostridium botulinum</i> B	WHMC 6-43
B.c. D17	<i>Clostridium botulinum</i> E	WHMC 7-62
B.c. S2-8	<i>Clostridium botulinum</i> F	WHMC 18-4
B.c. F1-15	<i>Listeria innocua</i>	WHMC 9-4
B.c. 11778	<i>Corynebacterium diphtheriae</i>	WHMC 7-28
<i>Bacillus thuringiensis</i> 97-27	<i>Corynebacterium jeikeium</i>	WHMC 35-66
B.t. al Hokum	<i>Burkholderia mallei</i>	WHMC 34-73
B.t. HD571	<i>Burkholderia pseudomallei</i>	<i>F. tularensis</i> SHU4
B.t. Kurstaki	<i>Staphylococcus aureus</i> A	<i>Yersinia pestis</i> CO92
B.t. Israeliensis 35646	<i>Staphylococcus aureus</i> B	<i>Vibrio cholerae</i>
<i>Bacillus subtilis</i> 6051	<i>Staphylococcus aureus</i> C	<i>Deinococcus radiodurans</i>
<i>Bacillus megaterium</i> 14581	<i>Staphylococcus aureus</i> E	<i>Brucella melitensis</i>
<i>Bacillus sphaericus</i> 4525	WHMC 8-12	<i>Brucella suis</i>
<i>Bacillus mycooides</i> 6462	WHMC 34-27	<i>Brucella abortus</i>
<i>Bacillus globigii</i> DPG	WHMC 35-14	
<i>Clostridium perfringens</i> A	WHMC 35-72	
<i>Clostridium perfringens</i> B	WHMC 32-35	

