

Bacillus anthracis Target 3

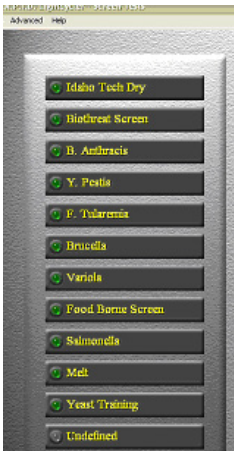
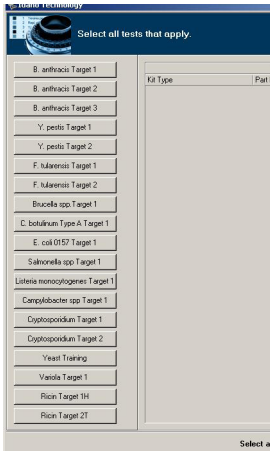
Detection Kit for Hybridization Probe Assays

This kit and accompanying information is designed for the detection of *Bacillus anthracis* Target 3 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 3 versus a panel of 79 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. Anthracis from the Batch Test menu on the software screen.</p> 	<p>Select B. anthracis Target 3 from the software wizard screen.</p> 

ASAY-PRT-0135-02

Validated Strains

This validated ***B. anthracis* Target 3** assay recognizes the following strains:

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

This validated ***B. anthracis* Target 3** assay shows no cross-reactivity against the following organisms:

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

