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.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Specificity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isolated DNA</td>
<td>This kit has demonstrated specific detection of <em>B. anthracis</em> Target 2 versus a panel of 80 organisms, both related and unrelated (see back). Specificity was 100%.</td>
</tr>
</tbody>
</table>

**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**
Select **B. Anthracis** from the Batch Test menu on the software screen.

**Models 9200 and LT**
Select **B. anthracis Target 2** from the software wizard screen.
Validated Strains

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

- B.a. delta-Ames
- B.a. Vollum
- B.a. Zimbabwe
- B.a. GT 41
- B.a. GT 34
- B.a. GT 85
- B.a. GT 29
- B.a. GT 55

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

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

*B. anthracis* Target 2 Detection Kit