

# Bio-agent Test Kits

## Rapid Tests for Biological Agents/Toxins Anywhere, Anytime

- **Detect biotreats within minutes**
  - Anthrax
  - Ricin
  - Botulinum toxin
  - Plague (*Y. pestis*)
  - SEB (staphylococcal enterotoxin B)
- **Can be used anytime, anywhere, and by anybody**
  - 4 easy steps
  - Short measuring time
  - Easy to use
- **Cost effective**
  - No reading devices required
  - Maintenance-free
- **Reliable**
  - No cross reactivity identified with near-neighbor strains or common “white” powder household substances
  - Extremely low false positives/false negatives; no hook effect
- **Individual and simultaneous tests and training sets available**
  - Detect 5 agents/toxins with 1 simultaneous test
- **2-year shelf-life at ambient temperature**

Every second counts in an emergency. Detect and identify biotreats quickly and easily with Dräger Bio-agent Test Kits. In 10 to 15 minutes (3 minutes for high concentrations), these accurate screening kits provide for presumptive identification, preliminary assessment, and response to Anthrax, Ricin, Botulinum, *Y. pestis*, and/or SEB where time is critical. Results should be confirmed by more specific analytical methods for clearance. Ideal for bio-preparedness programs, Bio-agent Test Kits are available with tests for individual toxins or with simultaneous tests for the fast detection of 5 biological toxins. Training sets provide practice for evaluating and handling scenarios. Tests are packaged individually in a re-sealable pouch.

### Biological Threat Detection in 4 Easy Steps



1 Collect the sample with the swab.



2 Extract the sample in buffer solution.



3 Drop the sample into the test cartridge.



4 Evaluate the test results.



## Bio-agent Test Kit Applications

Use Bio-agent Test Kits in almost any setting for the early detection and identification of critical biothreats.

- Border police
- Civil defense organizations
- First responders
- Fire services
- Police
- Military
- Banks
- Mail distribution centers
- Public transport security services

## Bio-agent Test Kit Performance Profile

Biological Agent/Toxin	Lower Limits of Detection <sup>†</sup> (individual and simultaneous tests)
Anthrax	50 ng/ml = 10,000 spores/ml
Ricin	200 ng/ml
Botulinum toxin	50 ng/ml
<i>Yersinia pestis</i>	1 µg/ml = 100,000 CFU/ml
SEB	10 ng/ml

<sup>†</sup> Detection limits confirmed in extensive tests by the Ministry of Defence (U.K.), the U.S. Department of Defense, Spiez Laboratories (Switzerland), and the Wehrwissenschaftliches Institut für Schutztechnologien (Wis, Germany).

- Method:** Rapid hand-held immunoassay with polyclonal antibodies
- Results:** Viewable with the naked eye after 10 to 15 minutes (high concentrations after 3 minutes). Do not interpret results after 30 minutes.
- Shelf-life:** 2 years
- Temperature:** *Storage:* 40 to 90 F (4 to 32 C)  
*Usage:* 40 to 120 F (4 to 49 C)
- Humidity:** Above 80% can slow results. Do not use in direct rain.
- Application:** Use on non-porous surfaces only. Do not use in areas that contain excessive dust or dirt or are suspected of containing an excessive concentration of the suspected agent. Not suitable for sampling soil.

## Ordering

Single Test Kits	Cat. No.
Bio-agent Test Kit, Anthrax, pk/5	803-03483
Bio-agent Test Kit, Botulinum, pk/5	803-03484
Bio-agent Test Kit, Ricin, pk/5	803-03487
Bio-agent Test Kit, SEB, pk/5	803-03488
Bio-agent Test Kit, <i>Y. pestis</i> , pk/5	803-03489

Simultaneous Test Kit	Cat. No.
Bio-agent Simultaneous Test Kit, tests for Anthrax, Botulinum toxin, Ricin, SEB, and <i>Y. pestis</i> , pk/10	803-03482

Training and Demonstration Sets	Cat. No.
Bio-agent Training Set 1A includes 10 individual tests, positive and negative simulation powder, and positive simulation fluid	803-03497
Bio-agent Demonstration Set 1A includes 5 individual tests and positive simulation powder	803-03499
Bio-agent Training Set 5A includes 10 simultaneous tests, positive and negative simulation powder, and positive simulation fluid	803-03496
Bio-agent Demonstration Set 5A includes 5 simultaneous tests and positive simulation powder	803-03498

