

# QuikTest™ Bioscreen

## Suspicious Powder Pre-Screening Kit

IDENTIFY: Biological Agents



*QuikTest Bioscreen offers economical, reliable screening of suspicious substances.*

whether a suspicious powder may contain a bioterror agent. The kit can rule out the presence of pathogens or toxins in just five minutes, enabling public safety personnel to immediately screen for potential biotreats in the field before a definitive assessment can be made through laboratory testing.

### Principle

The product works primarily by using PurpleHaze™ technology to identify protein, which is found in all living material. All biowarfare agents, including anthrax and ricin, contain protein. Many harmless substances often mistaken to be potential bioterror agents, such as powdered sugar, drywall dust, cornstarch, and many cosmetics, do not contain protein. QuikTest also includes a pH test that provides additional information about the sample, as harmful pathogens and toxins tend to be pH neutral.

### Method

The protocol is fast and easy to perform. Samples of the suspicious powder are collected using two chemically-treated swabs – one for a protein test and one to measure pH levels – and placed within color-coded test tubes. Each test produces a color change in the solution within five minutes if protein is present or if the sample is acidic or basic.

**QuikTest Bioscreen** is a cost-effective, reliable tool to quickly and easily determine whether a powder contains biological material and warrants further testing.

In recent years, the number of white powder incidents has grown dramatically. In some areas, powder threats occur frequently, creating tremendous disruption and expense. The **QuikTest Bioscreen** kit is designed to help first responders quickly determine

### FEATURES







- Fast: 15 minutes to train, five minutes to results
- Provides a simple indicator of a potential biological threat
- Rules out 87% of powders that cause citizens to call 911
- Save time and resources, and reduce citizen concern over false alarms
- Used by more than 450 first responder teams and government agencies nationwide
- Simultaneously screens for the possible presence of multiple agents
- Laboratory proven to detect anthrax, plague, and ricin
- Economical
- Tested by the US Army Edgewood Chemical Biological Center, Metropolitan Health Research Center in Tokyo, and the Battelle Memorial Institute

### APPLICATION AREAS

- First responders
- Public safety
- Military
- Public Health
- Medical facilities
- Military

## Reading QuikTest Kit Results

Interpreting test results is simple. Within five minutes, one of three results will display.

Protein Test	pH Test	Conclusion
Purple: Protein present	 Pale yellow: pH neutral <b>OR</b>  Red: Acidic <b>OR</b>  Blue: Basic	Further testing required
No change in color <b>AND</b> Positive Control Purple: Test valid	 Pale Yellow: pH neutral	Biological threat unlikely
No change in color <b>AND</b> Positive Control Purple: Test valid	 Red: Acidic <b>OR</b>  Blue: Basic	Biological threat very unlikely

## Testimonials

“If you’re in the HazMat business, the QuikTest kit is the one which has led the field in our recon screening. It will tell if there’s a protein present or not and it’s easy to use.”

- Division Chief Scott Johnston, Boca Raton Fire and Rescue, FL

“The QuikTest Bioscreen Kit is an integral part of our sampling procedures for unknown substances. It is the only tool that we have that can point us in the direction of a possible biological substance.”

- Firefighter Travis Bertram, MA, MICP, Special Operations, Austin Fire Department, TX

“I have a truck full of expensive equipment and I use the QuikTest kit the first time, every time.”

- HazMat Response member at Hunt Valley IAFC Hazardous Materials Response Teams Conference, May 29, 2008

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