

QuikTest™ Bioscreen



Suspicious Powder Pre-Screening Kit

Rapid indicator for first responders and hazmat teams

Features

- Fast: Five minutes to results, fifteen minutes to train.
- Provides a simple indicator of a potential biological threat
- Rules out 87% of powders that cause citizens to call 911
- Save time and resources
- Used by more than 450 first responder teams and government agencies nationwide
- Simultaneously screens for 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

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 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 biothreats 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.

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