

BioCheck™

POWDER SCREENING TEST KIT



Feature highlights

- Save resources and time and reduce citizen concern over false alarms
- When used in combination with the HazMatID Ranger it allows responders to rule out possible presence of BWAs in suspicious powder situations
- Simultaneously screens for the possible presence of multiple agents (anthrax, ricin, botulinum toxin)
- Laboratory proven to detect Anthrax, Plague, and Ricin
- Results in 5 minutes
- Easy to use and economical

The BioCheck Powder Screening Kit provides a simple screen for possible biological threat by indicating the presence of protein, which is common to virtually all BWA microbes and bio-toxins.

The kit includes a highly sensitive and protein-specific reagent that changes to a purple color in the presence of protein.

Used in conjunction with other biological threat assessment technologies, BioCheck provides a fast, easy-to-use preliminary screen for the presence or absence of protein, associated with BWAs. The BioCheck kit also includes a pH test to help identify possible presence of chemical interferences compounds that might compromise the reliability of the protein screen or other BWA tests such as lateral flow immunoassays, fluorescent dye microbe screens and PCR assays.

BioCheck is manufactured by 20/20 BioResponse.

The BioCheck is backed by first rate service, training and support to ensure optimum product performance.

Smiths Detection is a leading worldwide provider of government regulated technology products and advanced services that aid in the detection and identification of chemical, biological, radiological, nuclear and explosive (CBRNE) material and other dangerous or illegal substances.

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Technical Data **BioCheck™**

General Specifications

Technology	Combination of Protein screen and pH screen
Size	11 x 3 x 11cm [4.3 x 1.3 x 4.3 inches]
Weight	55 grams (2 ounces)
Power	N/A
Specificity	All protein containing powders
Sensitivity	As low as 10 micrograms of Bovine Serum Albumin (BSA) or as few as 100,000 anthrax spores
Calibration Requirements	N/A
Response Time	2 minutes for high protein content powders, up to 5 minutes for low protein content powders
Interferent Tolerance	Very High [1% BSA detected in 6.5 mg containing 99% talcum powder]
False Positive	False Positives for Protein content are extremely low- well under 1%. However, this test kit cannot discriminate between BWA proteins and harmless protein-containing food powders
False Negative	Well under 1% if kit is used properly, including use of Control Swab as described in the kit instructions
Shelf Life of kits	14 months



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