

CBRN - BIOTHREAT DETECTION SOLUTIONS

from BioFire Defense

BioFire Defense provides quick, accurate,
on-site bioterror detection that leads
to confident decision making
for CBRN teams.



BioFire[®]
BioThreat Panel



FilmArray[®]
Global Fever Panel^{RUO}



FilmArray[®]
Food & Water Panel



FilmArray[®]
Sentinel Panel



RAZOR[®]
10[®] Target Screen Kit



RAZOR[®]
Anthrax 3 Target Kit



**BIOFIRE
DEFENSE**

A bioMérieux Company



For those on the front lines, getting fast, reliable answers in the field is essential for timely response and effective containment.

BioFire Defense delivers agile and accurate molecular detection solutions designed for the unique demands of first responders.

We are committed to equipping you with the tools to respond swiftly and decisively.



**BIOFIRE
DEFENSE**
A bioMérieux Company

Biosurveillance System



BioFire Defense offers an industry-leading portfolio of portable, accurate, and easy-to-use systems that deliver quick, multi-target results directly in the field.



BIOFIRE® SPOTFIRE® SYSTEM

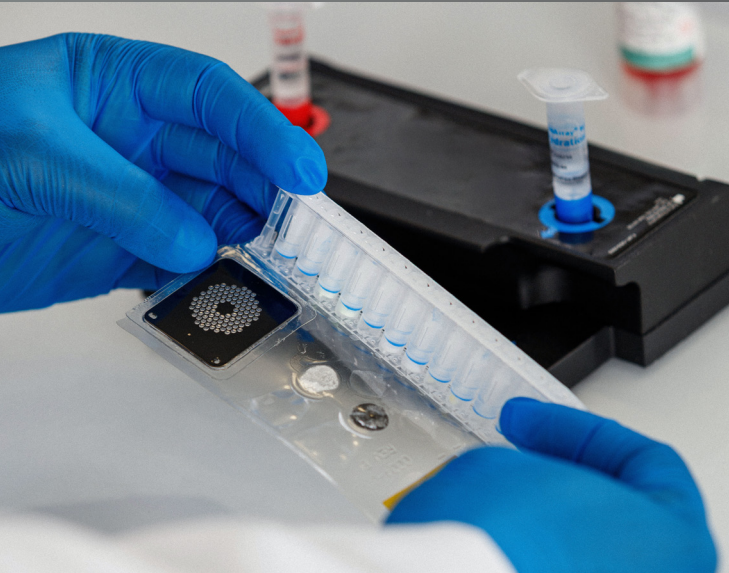
SPOTFIRE brings the power of PCR testing to mobile and fixed laboratories for the detection of biothreats. This user-friendly system empowers the fast, accurate detection needed to make confident decisions, mitigate threats, and protect communities.

- Technology: Molecular PCR-based system
- Capabilities: Quick detection of biothreats
- Result Time: About one hour
- Ease of Use: Compact and user-friendly design
- Applications: Fixed and mobile laboratories



BioFire Panels

These panels are designed for environmental testing, food and beverage screening, and research.



Our Reagent Kits are Designed for Ease-of-use and Maximum Efficiency.

Providing freeze-dried, room-temperature stable reagents that simplify sample preparation and deliver comprehensive results. This ensures reliability and readiness in field or mobile lab settings.



**NOT FOR
DIAGNOSTIC USE**

Designed for the
BIOFIRE® FILMARRAY®

BIOFIRE® SPOTFIRE®

BioFire® BioThreat Panel

1 TEST. 16 TARGETS. ~ 1 HOUR.

BACTERIA

Bacillus anthracis
Brucella melitensis
Burkholderia mallei / pseudomallei
Coxiella burnetii
Francisella tularensis
Rickettsia prowazekii
Yersinia pestis

VIRUSES

Ebola virus (Zaire)
EEE virus
Marburg virus
Orthopox virus
Variola virus
VEE virus
WEE virus

TOXIN-ENCODING GENES

Clostridium botulinum
Ricin *communis*

Sample Type: Environmental (Liquid, Powder, and Surface Swabs)



**NOT FOR
DIAGNOSTIC USE**

Designed for the
BIOFIRE® FILMARRAY®

FilmArray® Food & Water Panel

1 TEST. 15 TARGETS. ~ 1 HOUR.

BACTERIA

Campylobacter (jejuni, coli, and upsaliensis)
Salmonella
Vibrio (parahaemolyticus, vulnificus, and cholerae)
Vibrio cholerae
Yersinia enterocolitica

DIARRHEAGENIC E. COLI / SHIGELLA

Enteraggregative *E. coli* (EAEC)
Enteropathogenic *E. coli* (EPEC)
Enterotoxigenic *E. coli* (ETEC) *lt/stx1/stx2*
Shiga-like toxin-producing *E. coli* (STEC)
E. coli O157
Shigella / Enteroinvasive *E. coli* (EIEC)

PARASITES

Cryptosporidium
Cyclospora cayentanensis
Giardia lamblia

VIRUSES

Norovirus GI/GII

Sample Type: Food and Beverage Samples (Example: Tap Water, Chicken, Beef, Bagged Spinach, Sliced Ham, Weiner, Smoked Salmon Spread, Bagged Shredded Cheddar, Orange Juice, Apple Juice, and Oatmeal)



FilmArray® Global Fever Panel - RUO

1 TEST. 19 TARGETS. ~ 1 HOUR.

NOT FOR
DIAGNOSTIC USE
FOR RESEARCH
USE ONLY



Designed for the
BIOFIRE® FILMARRAY®



BIOFIRE® TORCH

BACTERIA

Bacillus anthracis
Francisella tularensis
Leptospira spp.
Salmonella enterica serovar Typhi
Salmonella enterica serovar Paratyphi A
Yersinia pestis

Sample Type: Whole Blood

VIRUSES

Chikungunya virus
Crimean-Congo hemorrhagic fever virus
Dengue virus
Ebolavirus spp.
Lassa virus
Marburg marburgvirus
West Nile virus
Yellow fever virus
Zika virus

PROTOZOA

Leishmania spp.
Plasmodium spp.
Plasmodium falciparum
Plasmodium vivax/ovale

DOD Controlled Panel

This panel is manufactured solely for use by US Department of Defense laboratories, and laboratories designated by the Department of Defense.



FilmArray® Sentinel Panel

1 TEST. 19 TARGETS. ~ 1 HOUR.

FOR ENVIRONMENTAL
SURVEILLANCE ONLY

NOT FOR
DIAGNOSTIC USE



Designed for the
BIOFIRE® FILMARRAY®

BACTERIA

Bacillus anthracis
Brucella melitensis
Brucella spp.
Burkholderia spp.
Burkholderia pseudomallei
Coxiella burnetii
Francisella tularensis
Rickettsia prowazekii
Yersinia pestis

VIRUSES

Ebolavirus spp.
EEE virus
Marburg marburgvirus
Orthopoxviruses
Variola virus
VEE virus
WEE virus

TOXIN-ENCODING GENES

Clostridium botulinum
Ricinus communis

TRAINING TARGETS

Bacillus globigii
Bacillus thuringiensis
Saccharomyces cerevisiae

Sample Type: Powder; Surface Swab; Soil; Sand; Mammalian Blood; Food; Liquids: Culture Medium, Aerosol Collection Buffer, Surface Water; Vectors: Flea, Tick, Louse, and Mosquito

The Sentinel Panels is restricted by the International Traffic in Arms Regulations (ITAR) for the export and import of defense-related articles and services on the United States Munitions List (USML) pursuant to 22 C.F.R. Part 120-130. Access to ITAR controlled defense articles, defined in 22 C.F.R. 120.6, and technical data, defined in 22 C.F.R. 120.10, is limited to "U.S. persons," as defined in 22 C.F.R. 120.15. Transfer of this product or information by any means to a non-U.S. Person, whether in the United States or abroad without the proper U.S. government authorization is strictly prohibited. A violation of the ITAR may be subject to both criminal and administrative penalties under the Arms Export Control Act of 1976 (as amended).

Biothreat Detection



RAZOR[®] MK II SYSTEM

The RAZOR Mk II is a portable, ruggedized PCR system designed for immediate field deployment. It provides critical on-site detection of biological threats, empowering fast response and informed decision-making in challenging environments.

- Technology: Portable PCR system
- Format: Battery-powered and field-ready; PPE friendly
- Capabilities: Simultaneously tests a sample for 10 biothreat agents using real-time PCR
- Sample Type: Liquid or powder sample
- Result Time: About 30 minutes





RAZOR Panels

These panels are designed for environmental testing, food and beverage screening, and research.



Environmental Biothreats are Ever-Present and Evolve Quickly

For those on the front lines, getting fast, reliable answers in the field is essential for timely response and effective containment.



NOT FOR DIAGNOSTIC USE

The 10[®] Target Screen Kit

1 TEST. 10 TARGETS. ~ 30 MINUTES.

- | | |
|---------------------|-------------|
| <i>B. anthracis</i> | Q fever |
| Ricin | C. Botulism |
| Smallpox | Brucella |
| Brucella | Tularemia |
| Plague | Salmonella |
| <i>E. coli</i> O157 | |

Sample Type: Liquid or powder samples



NOT FOR DIAGNOSTIC USE

Anthrax 3 Target Kit

1 TEST. 3 TARGETS. ~ 30 MINUTES.

- 1 Target - *Bacillus anthracis* pXO1 plasmid
- 2 Targets - *Bacillus anthracis* pXO2 plasmid

Sample Type: Liquid or powder samples



BioFire Defense stands at the forefront of molecular and biothreat detection.

Backed by bioMérieux, we're a trusted partner for the U.S. government, military, and public health agencies. Our strength is innovative PCR technology, delivering fast, comprehensive results for critical decisions.

We're committed to protecting communities and ensuring global readiness against biothreats and infectious disease agents.



**BIOFIRE
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Learn more at

