

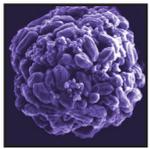


# BioThreat Panel

for the BIOFIRE® SPOTFIRE® and BIOFIRE® FILMARRAY® 2.0 Systems

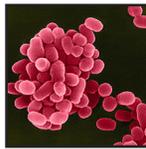
Information Sheet

**1 Test. 16 Biothreat Targets. All in about an 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*  
*Ricinus communis*

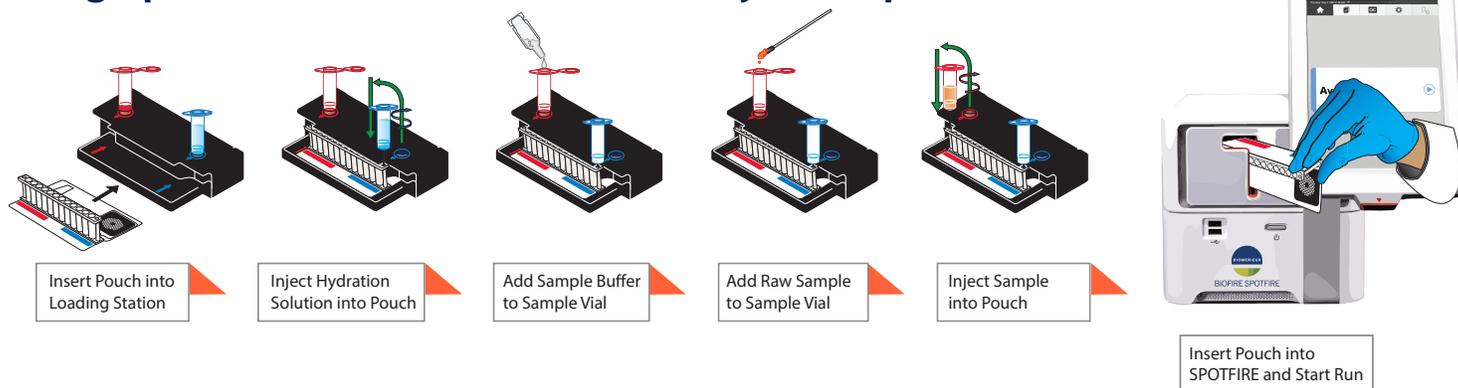
## Comprehensive Biothreat Detection

- **Multi-Use:** Used for biothreat detection and Biosurveillance.
- **Easy-to-Use:** 2 minutes of hands-on time.
- **Fully Automated:** Sample prep, amplification, identification, and reporting.
- **Single Instrument Integration:** Minimal equipment and consumables. Scalable from one to four modules.
- **Freeze-dried Reagents:** Room temperature stable.
- **More Sample Types:** Integrated sample prep removes PCR inhibitors and allows biothreat detection in challenging environmental sample types.



Not for Diagnostic Use

# Setting up the BIOFIRE® SPOTFIRE® is Easy – Sample in, Results out



## Fully Automated Operation

The BioThreat pouch contains all the required reagents for sample preparation, reverse transcription-PCR, PCR, and detection in a freeze-dried, room temperature stable format.

Prior to a run, the operator injects hydration solution and the unknown sample into the pouch. The SPOTFIRE instrument does the rest.

First, the SPOTFIRE extracts and purifies all nucleic acids from the unknown sample. Next, the instrument performs a nested multiplex PCR. During the first-stage PCR, the SPOTFIRE performs a single, large volume, massively multiplexed reaction. Last, individual singleplex second-stage PCR reactions detect the products from the first stage PCR.

Using endpoint melting curve data, the SPOTFIRE software automatically generates a result for each target.

## Easy-to-Read Reporting

**BT BioThreat Panel**  
PCR Test

BioFire Defense, LLC

Run Date:  
2026-10-12

Sample ID:  
SDA-POP

Operator:  
R. Gregerson

Results:

**DETECTED: *Bacillus anthracis***

Viruses	Bacteria
<i>Not Detected</i> Ebola Zaire	<b>Detected</b> ✓ <i>Bacillus anthracis</i>
<i>Not Detected</i> Marburg virus	<i>Not Detected</i> <i>Brucella melitensis</i>
<i>Not Detected</i> Orthopox genus virus	<i>Not Detected</i> <i>Burkholderia mallei/pseudomallei</i>
<i>Not Detected</i> Variola virus	<i>Not Detected</i> <i>Coxiella burnetii</i>
<i>Not Detected</i> EEE virus	<i>Not Detected</i> <i>Francisella tularensis</i>
<i>Not Detected</i> VEE virus	<i>Not Detected</i> <i>Rickettsia prowazekii</i>
<i>Not Detected</i> WEE virus	<i>Not Detected</i> <i>Yersinia pestis</i>

Pouch Type:  
BioThreat Panel v2.5

Internal Process Controls:  
Pass

Pouch Serial Number:  
12345678

Sample Type:  
Sample

Pouch Lot:  
01AD25 (sim)

Instrument:  
SM00000 (sim)

## Panel Specifications

### BioThreat Panel

Part No: RFIT-ASY-0094

Sample Types	Liquid, Powder, and Surface Swabs
Sample Volume	300 µL / 0.3 mL
Tests per Kit	6-Pack Kit

### Reagents

- Freeze-dried in durable plastic pouches
- Room temperature storage 18°-25° C / 64°-77° F

BioFire Defense is authorized to sell the BIOFIRE® FILMARRAY® and BIOFIRE® SPOTFIRE® Systems and panels manufactured by its affiliate company bioMérieux.

Patents: [www.BioFireDefense.com/legalnotices](http://www.BioFireDefense.com/legalnotices)

