

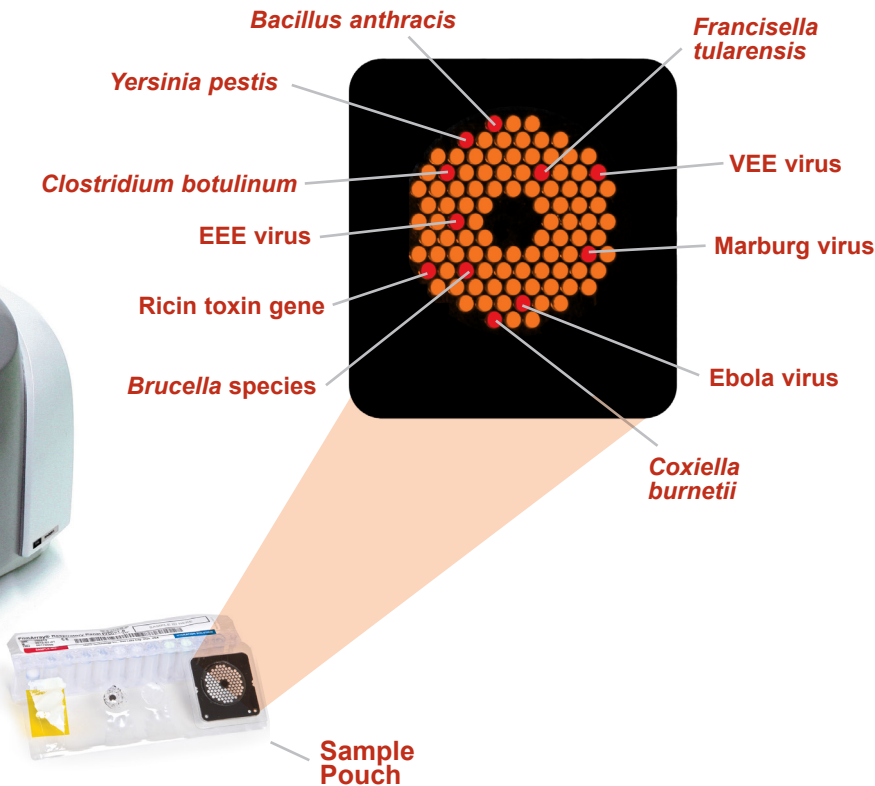
FilmArray® BioThreat Panel



Currently in Development

Information Sheet

FilmArray Instrument



Comprehensive BioThreat Detection

- **Multi-Use:** Used for BioThreat Detection and Pandemic BioSurveillance.
- **Easy-to-Use:** 2 minutes of hands-on time.
- **Quick Results:** Results in 1 hour.
- **Fully Automated:** Sample prep, amplification, identification, and reporting.
- **Single Instrument Integration:** Minimal equipment and consumables.
- **Freeze-dried Reagents:** Room temperature stable.
- **More BioThreat Targets:** Test 17 pathogens in one run.
- **More Sample Types:** Integrated sample prep removes PCR inhibitors and allows BioThreat detection in challenging environmental sample types.

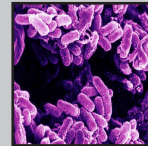
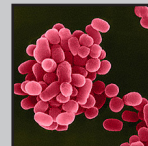
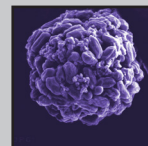
FREE Demo!

If you are interested in a free, no obligation demonstration of the FilmArray in your laboratory visit www.BioSurveillance.com or call 1-800-735-6544.

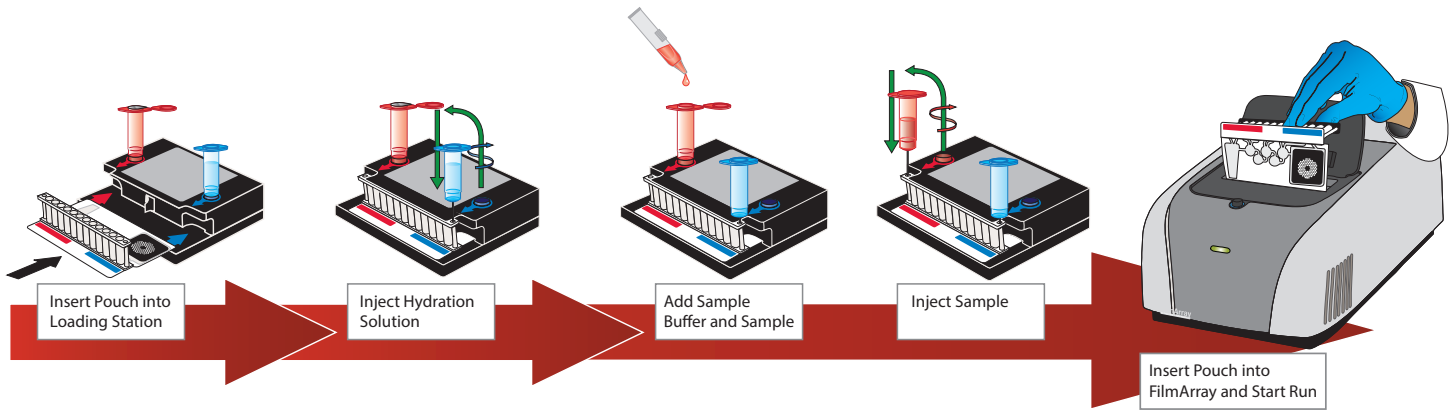
The FilmArray BioThreat Panel

Simultaneous detection of 27 targets/17 pathogens:

- *Bacillus anthracis*, 3 Targets
- *Brucella species*, 2 Targets
- *Burkholderia mallei / pseudomallei*
- Botulinum toxin gene
- *Coxiella burnetii*, 2 Targets
- Ebola virus
- EEE virus
- *Francisella tularensis*, 2 Targets
- Marburg virus, 2 Targets
- Ricin toxin gene
- *Rickettsia*, 2 Targets
- *Staphylococcal enterotoxin* gene
- Variola virus
- VEE virus, 2 Targets
- WEE virus
- *Yersinia pestis*, 2 Targets
- Orthopox genus viruses, 2 Targets



Setting up the FilmArray® is Easy – Sample in, Results out



Fully Automated Operation

The FilmArray 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 FilmArray instrument does the rest.

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

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

Ordering Information

Catalog No.	Description
FLM1-ASY-0108	FilmArray BioSurveillance System – US Config.
FLM1-ASY-0109	FilmArray BioSurveillance System – EURO Config.
FLM1-ASY-0110	FilmArray BioSurveillance System – UK Config.
FLM1-ASY-0111	FilmArray BioSurveillance System – AUS Config.
RFIT-ASY-0094	BioThreat Pouch Kit
RFIT-ASY-0107	Respiratory Pouch Kit

System Specifications

Sample Handling

- Sample Types: Swab, liquid, culture, powder
- Sample Volume: 250 µL

Reagents

- Freeze-dried in durable plastic pouches
- Room temperature storage

Instrument Specifications

- Weight: 9 kg (20 lbs)
- Size: 25.4 x 39.3 x 16.5 cm (10 x 15.5 x 6.5 in.)

Power Requirements

- 90-264 VAC, 10 A

Performance Parameters

- Hands on time: Approx. 2 minutes
- Run turn-around time: Approx. 1 hour

Environmental Specification

- Operating: 15 °C to 30 °C at 20 to 80% humidity
- Storage: -30 °C to 65 °C

Desktop Software (Pre-loaded on supplied laptop)

- Windows-based instrument control and data analysis software
- Barcode reader for data input
- Automated qualitative analysis and reporting
- Separate advanced analysis software

FilmArray®
BioThreat Panel

www.BioFireDx.com

Run Summary

Sample ID: BT Ver DPU/PBS test concentration
Detected: *Bacillus anthracis*
Brucella melitensis
Equivalocal: None

Run Date: 11 Dec 2012 2:28 PM
Controls: Passed

Result Summary	
✓ Detected	<i>Bacillus anthracis</i>
✓ Detected	<i>Brucella melitensis</i>
Not Detected	<i>Burkholderia mallei/pseudomallei</i>
Not Detected	<i>Clostridium botulinum</i>
Not Detected	<i>Coxiella burnetii</i>
Not Detected	<i>Francisella tularensis</i>
Not Detected	<i>Ricinus communis</i>
Not Detected	<i>Rickettsia prowazekii</i>
Not Detected	<i>Staphylococcal enterotoxin gene</i>
Not Detected	<i>Yersinia pestis</i>
Not Detected	Ebola Zaire
Not Detected	Marburg virus
Not Detected	Orthopox genus virus
Not Detected	Variola virus
Not Detected	EEE virus
Not Detected	VEE virus
Not Detected	WEE virus

Run Details

Pouch: BioThreat Panel v2.4
Run Status: Completed
Serial No.: 00257302
Lot No.: 120730B

Protocol: BT PBS v2.0
Operator: Garrison Alger (garrison)
Instrument: ITI FA "FA1113"

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