



Biomeme

PORTABLE, PRECISE, PREPARED

OPERATIONAL EXCELLENCE IN CBRN THREAT DETECTION

Biomeme's advanced molecular testing platform is at the forefront of biodefense, offering unparalleled support for Federal Agencies, State & Local Authorities, and Military. Engineered for extreme portability and rapid results, it enables immediate DNA/RNA detection in the field, ensuring CBRN readiness across all levels of government and military operations.

ALL-HAZARD
INCIDENT MANAGEMENT

DETECTED

Presence of *Bacillus anthracis* confirmed—initiate safety protocols

Result Breakdown

TARGET	STATUS
<i>Bacillus anthracis</i>	DETECTED
<i>Yersinia Pestis</i>	NOT DETECTED
Ricin toxin gene	NOT DETECTED

Export Results



STRATEGIC ADVANTAGES FOR CRITICAL MISSION SUCCESS

Biomeme's U.S.-based production strengthens our supply chain.



FIELD READY

Decentralize your lab. On the go and in the field.

- Runs on internal battery/60hz AC PWR
- Standard MilSpec battery pack compatible (BA 2590, BB 5590)
- Solar to DC Converter compatible



MAXIMUM SHELF-STABILITY

Hand-held DNA/RNA analysis with shelf-stable lyophilized reagents that simplify logistics.

- Single-use test cartridges include all required multiplexed molecular assay components



ULTRA-PORTABLE DESIGN

Compact, lightweight, and optimized to enable a full day's work in the field on a single charge. Easy to use with minimal steps.

- Weighs 4.2 lbs/1.9 kg
- 114 mm L x 186 mm W x 129 mm H



GOLD STANDARD PERFORMANCE

Performs lab-quality testing at the point of need but requires no laboratory equipment or special experience.



RAPID RESULTS

Sample-to-answer confirmatory results in about an hour.



EASILY ADAPTABLE

Easily adaptable to any mission in every clime and place.



NEXT-GEN CBRN READINESS

Biomeme's Franklin® ISP Thermocycler enables multiplex real-time identification of 14 biowarfare agents from one sample.

AVAILABLE TESTS

Biological Warfare Panel*

Instrument SKU: 1000009
Consumable SKU: 3000652R

A comprehensive, rapid detection kit designed for identifying multiple biowarfare agents simultaneously, ensuring precise field detection in critical defense scenarios.

14 Biowarfare agents targeted:

- *Bacillus anthracis*
- *Botulinum neurotoxin A gene*
- *Botulinum neurotoxin B gene*
- *Brucella* species
- *Burkholderia mallei*
- *Burkholderia pseudomallei*
- *Coxiella burnetii*
- *Francisella tularensis*
- Orthopox viruses
- Ricin toxin gene
- Staphylococcal enterotoxin B gene
- Variola virus
- Venezuelan equine encephalitis virus
- *Yersinia pestis*

Biological Warfare Training Panel*

SKU: 3000514

A specialized training kit for simulating the detection of biowarfare agents, designed to enhance readiness and operational proficiency in bio-threat identification and management. This is a single-use mock test cartridge that looks and feels like an authentic test cartridge, but does not contain expensive, short-lived reagents.

Franklin® ISP Verification Kit*

SKU: 3000632R

A quality control kit for the Franklin® ISP, confirming the instrument is operating accurately and reliably with unparalleled precision.

Biological Warfare Simulant Panel*

SKU: 3000141

Use your own simulant organisms for live agent training exercises. This panel offers hands-on experience in identifying biowarfare simulants, ensuring teams can accurately detect threats and apply their skills in real situations. 3 Biowarfare simulant organisms targeted:

- *Bacillus thuringiensis* subsp. *kurstaki*
- *Bacillus thuringiensis* subsp. *israelensis*
- *Bacillus globigii*

The Biomeme Franklin ISP Thermocycler is backed by a 1-year standard warranty to ensure your satisfaction and device performance. For those seeking additional protection and service, we offer an extended warranty (SKU: 1000032R) and on-site training (SKU: 80000002) to enhance your experience and maximize device utility.

* These defense articles are controlled for export under the International Traffic in Arms Regulations (ITAR), administered by the U.S. Department of State, Directorate of Defense Trade Controls. The transfer of any hardware or technical data controlled by the ITAR to any unauthorized persons, requires prior written approval from the U.S. Department of State.



HOW BIOMEME STACKS UP

Compared to the BioFire Razor® Mk II Detection System, Biomeme's Franklin® ISP Platform is one-third the weight, less than half the size, twice as many gene targets detected in less time with no sample preparation steps needed and is confirmatory in its results.

	BIOMEME FRANKLIN® ISP PLATFORM	BIOFIRE RAZOR® MK II DETECTION SYSTEM
Automated Sample Prep	✓	
Lyophilized Test Cartridge	✓	✓
Assay Shelf Life	1 Year	6 Months
PCR Targets Detected	Up to 27	Up to 10
Real-Time PCR	✓	✓
Raw Data Available (Ct/Cq Values)	✓	
Portable, Battery-Operated Device	✓	✓
Compatible Mobile App	✓	
Instrument Set-Up Time	1 Minute	5 Minutes
Device Weight	4.2 lbs/1.9 kg	11 lbs/4.9 kg
Device Volume	160 in ³ / 2622 cm ³	339 in ³ / 5555 cm ³
Device Dimensions	114 mm L x 186 mm W x 129 mm H 254 mm L x 114 mm W x 191 mm H	



This version of the document is intended for global use.
Regulatory statuses of the product may vary by country.
Please consult local regulations for use.

Chris Moran
Key Account Manager, Biomeme
Federal - State - Local
Chris.moran@biomeme.com
970-590-9670

orders@biomeme.com
267-930-7707

DUNS # 079110357
Cage Code 6YZ39



<https://biomeme.com/applications/defense/biowarfare> | shop.biomeme.com
401 North Broad Street, Suite 222 Philadelphia, PA, USA 19108

All warranties are subject to our Terms & Conditions and Privacy Policy
<https://biomeme.com/privacy-policy-and-terms-of-use/>

Patent Protected
<https://biomeme.com/patents/>

For technical questions or support, please visit:
help.biomeme.com | biomeme.com

