

# RAZOR® Mk II BioThreat Identification

## Information Sheet



Not for Diagnostic Use

### 1 System

## Field-Actionable PCR Results for 10 Targets in 30 Minutes.

**PCR Technology** - The RAZOR Mk II system identifies biological agents using PCR technology; this provides ultra-reliable DNA based lab analysis in the field.

**Field Portable** - Made for field use, the RAZOR Mk II is a compact, battery powered system with an onboard computer providing everything you need for testing in the field.

**PPE Friendly** - Created for first responders and front line military troops, this system comes with large push buttons and simple user interface making it easy to operate while working in protective equipment.

## RAZOR Kits Detect DNA Associated with the Following Targets:

10

### BioThreat & Environmental Threats

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



### *B. anthracis* 3 Target Kit

- B. anthracis* – Target 1
- B. anthracis* – Target 2
- B. anthracis* – Target 3

# RAZOR Mk II Brings you Actionable Results in 30 Minutes

This portable system comes packed in a durable Pelican® case with custom fit foam for the instrument, battery, battery charger, and accessories. The built-in mobile computer allows it to operate as a stand-alone unit for results in the field.

- Battery Powered: Rechargeable
- Hot Swappable Power: Runs off Battery or 100/240V Power
- Built-in, Full Color Display
- Multiple Language Options: English, French, German, Italian, Spanish, Portuguese and Korean



## Parts List

The following items are included with the instrument:

RAZOR Mk II Instrument, Battery Recharger, Power Supply, Battery Pack, USB 2.0 Data Cable, Air Filter Assembly, Operators Manual, Quick Guides, Hard Carrying Case, Plunger Twist-Tool, Tool Kit.

## Simple User-Interface

The RAZOR Mk II was designed for those working in the hot zone.

- Designed for use in personal protective equipment (PPE)
- Large intuitive push-buttons
- Barcode reader for protocol and pouch information uploads
- Step-by-step screen prompts provide set-up guidance

## Instrument Specifications

### Description

- 12 reactions per pouch containing freeze-dried PCR reagents for threat identification and integrated controls.
- Reaction Volume per Target: 100 µL

### Power Options

- Rechargeable battery pack (included with instrument)
- Power Supply: 24Vdc 6.25A Output | 100 - 240V, 47/63 Hz, 2.5A, 150W input

### Instrument Dimensions and Weight (w x d x h)

- Size: 25.4 x 11.4 x 19 cm (10 x 4.5 x 7.5 in )
- Weight: 4.9 kg (11 lb ) including battery

### Performance Parameters

- Instrument set-up time ≤ 5 minutes
- Sample run time ≤ 30 minutes

### Temperature Range

- Operation: 0°C - 40°C
- Storage: -20°C - 60°C

### Instrument Certifications

- Manufactured under cGMP, ISO 9001
- UL Certified, CE Mark