

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 μ L

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 \leq 5 minutes
- Sample run time \leq 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