

RAZOR® MkII BioThreat Identification

Information Sheet
DRAFT



1 System

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

PCR Technology - The RAZOR MkII 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 MkII 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 operated while working in protective equipment.

The Following Kits are Available:

- 10 BioThreat & Environmental Threats**
 - Anthrax
 - Ricin
 - Smallpox
 - Plague
 - E. coli* 0157
 - Coxiella
 - Botulism
 - Brucella
 - Tularemia
 - Salmonella*

- Food Threats**
 - Listeria*
 - Salmonella*
 - Campylobacter*

- Water Threats**
 - Cryptosporidium*
 - Salmonella*
 - E. coli* 0157



RAZOR MkII 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.

- Automatic Analysis
- Battery Powered: Re-chargeable
- Hot Swappable Power: Runs off Battery or 110/220V Power
- Built-in, Full Color Display



Simple User-Interface

The RAZOR MkII 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 sample pouch containing freeze-dried reagents. Including positive and inhibition controls with each pouch.
- Reaction Volume per Target: 100 μ L

Power Options

- Rechargeable battery pack (included with instrument)
- External Power Supply: 24 V DC, 4 A Output, 110–220 V AC 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 min.
- Sample run time \leq 30 minutes

Temperature Range

- Operating: 0 °C to 40 °C
- Storage: -33 °C to 70 °C

Instrument Certifications

- Manufactured under cGMP, ISO 9001, ISO 13485



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, Users Manual, Quick Guides, Hard Carrying Case, Plunger Twist-Tool, Tool Kit (5 1/2" Needle Nose Pliers, Lens Cleaning Solution, Lens Cleaning Tissue)