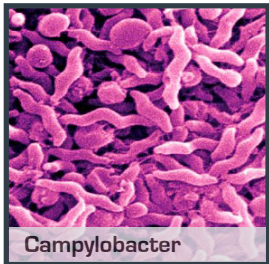


RAZOR® Reagent Pouches

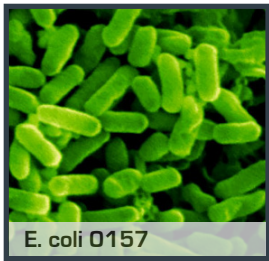
Information Sheet



Anthrax Spore



Campylobacter



E. coli O157

See reverse side for a complete list of reagents



Easy-to-Use Pouches Pre-loaded with PCR Reagents

First responders, front-line military troops, research labs, and public health labs now have the ability to obtain reference laboratory quality results in the field with RAZOR EX and its unique reagent pouch system.

Designed for field use, RAZOR pouches come pre-loaded with freeze-dried PCR reagents for detecting and identifying biological pathogens and bioterror agents. No refrigeration or freezing is required and the durable plastic pouches will not break and cause contamination. Samples are easily prepared and loaded into the pouch to be run on a RAZOR instrument with test results available in less than 30 minutes. Each target pouch is optimized and validated for BioFire's RAZOR EX and RAZOR instruments and has been manufactured under cGMP Quality Conditions. Kits contain all of the necessary items for sample gathering and sample prep in addition to the real-time PCR reaction pouches.

The Following Tests Are Available for These Markets*:

BioThreat	Food Testing	Water Testing	Environmental
Anthrax Ricin Smallpox Plague	Listeria Salmonella Campylobacter	Cryptosporidium Salmonella E. coli O157	Coxiella Botulism <i>Brucella melitensis</i> Tularemia

*See reverse side for a complete list of reagents and test kits

Benefits of Reagent Pouch System

- **Easy-to-Use:** All PCR reaction components pre-loaded: primers, probes, enzymes, and buffers.
- **High Quality:** Assays optimized and validated on the RAZOR EX and RAZOR instruments.
- **Reliable:** Positive and negative/inhibition controls confirm results.
- **Room Temperature Storage:** Freeze-dried reagents do not require refrigerator or freezer storage.
- **Reduced Sample Prep:** Single dilution step required for powder, surface swabs, or water sample types.
- **Durable:** Flexible plastic pouches prevent contamination associated with container breakage.

Sample Collection and Preparation

The RAZOR Prep Kits include all of the items needed for collecting liquid and dry samples as well as all of the tools for loading the pouch. Our unique kit combines sample collection and preparation all in one compact package.

Included in the RAZOR Prep Kit:

- Swabs for powder or dirty liquid samples
- Pipets for liquid samples and dilutions
- Sampling and preparation vials

Durable Reagent Pouches

The innovative pouch is made of flexible, clear plastic designed to make set-up and loading simple. Samples are loaded into the pouch with cannula-tipped syringes and dispensed automatically into the wells—no precise measuring required.

1. Load the cannula-tipped syringe with the unknown or control sample.
2. Insert the syringe into the inlet port.
3. Allow the sample to automatically dispense into the pouch via vacuum pressure.
4. Plunge samples into the wells; the pouch is now sealed and can be decontaminated in a bleach solution.
5. Load into a RAZOR instrument and begin run.

Freeze-Dried Reagents

Ideal for field use, lyophilized reagents do not require refrigeration or special transport conditions. Quickly rehydrate with the unknown sample or control solution and run the reaction. Optimized assays are available for CDC defined Category A and B Biothreat pathogens as well as other food and water pathogens.

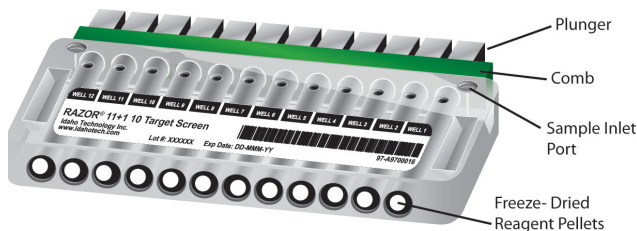
Pouch Formats

Test for everything from anthrax to salmonella! Pouches contain 3 to 10 different assays for bioterrorism threats, food pathogens, and water borne pathogens along with controls to validate the integrity of the test.

Over Five Million Tests Used World-wide

Our unique reagent design and manufacturing process provide incredible benefits to those seeking fast results and unparalleled accuracy. In addition, extensive validation studies for each RAZOR assay have been performed on RAZOR EX and RAZOR instruments. RAZOR EX and freeze-dried reagent pouches provide a complete field-deployable solution for detecting biological threats.

The RAZOR Pouch



The purchase of these products includes a limited, nontransferable instrument license under specific claims of one or more U.S. patents as listed on BioFire Defense's web site (<http://biofiredefense.com/legalnotices>) [the "Web Site"] and owned by the University of Utah Research Foundation and/or BioFire. Any kits (I) sold with these products and/or discussed herein may be covered by one or more of the U.S. patents, as listed on the Web Site for the product and (II) sold herein include a limited, nontransferable license to use the enclosed amount(s) in such kits according to the specified protocols. The Ten® 10 Target Screen Kit, RAZOR Training Pouch, RAZOR BA 3 Target Kit, RAZOR Food Screen 3 Target Kit, and RAZOR Water Screen 3 Target Kit are licensed under U.S. Patent Nos. 5,339,671 and 5,587,287. The RAZOR pouches are defense articles 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 for from the U.S. Department of State.

The RAZOR EX and the RAZOR instruments



Reagent Pouch and Detection Kits

Preformatted Reagent Pouch Detection Kits

Each Detection Kit comes with the following items:

Assay target pouch, RAZOR Prep Kit containing control buffers, blunt cannula tipped syringes, sample bottles, breakpoint swabs, and graduated transfer pipets.

Kit Descriptions	Part Number
The Ten® 10 Target Screen Kit Tests for Anthrax, <i>Brucella melitensis</i> , Botulism A, <i>Coxiella</i> , <i>E. coli</i> O157, Tularemia, Ricin, <i>Salmonella</i> , Smallpox, Plague	PATH-ASY-0061
RAZOR Training Pouch Used for basic training on the RAZOR Instrument (Color Dyes)	PATH-ASY-0005
RAZOR SIM 10 Kit (Yeast and Bg) Used for advanced training on the RAZOR Instrument	PATH-ASY-0091
RAZOR BA 3 Target Kit Tests for B. anthracis, Targets (Tgs) 1, 2, and 3	PATH-ASY-0007
RAZOR Food Screen 3 Target Kit Tests for Campylobacter, <i>L. monocytogenes</i> , and Salmonella	PATH-ASY-0010
RAZOR Water Screen 3 Target Kit Tests for Cryptosporidium Tg 2, <i>E. coli</i> O157, and Salmonella	PATH-ASY-0011

Empty Reagent Pouches

Wet reagents can be added to these pouches for specific custom applications.

RAZOR Empty Reagent 4x3 Pouch	PATH-ASY-0001
RAZOR Empty Reagent 12x1 Pouch	PATH-ASY-0002
RAZOR Empty Reagent 6x2 Pouch	PATH-ASY-0003