



miPROTECT®

mipro lab

Mikrobiologische  
Diagnostik GmbH

**Product information**

**miPROTECT® rapid test**

Immunochromatographic test for screening of environmental samples and NOT for any medical use. One package unit consists of 5 rapid tests, incl. 5 sampling devices.

miPROTECT® Ricin	#211	Rapid test for the detection of ricin
miPROTECT® SEB	#212	Rapid test for the detection of staphylococcal enterotoxin B
miPROTECT® Botulinum A	#213	Rapid test for the detection of botulinum neurotoxin type A
miPROTECT® Botulinum B	#216	Rapid test for the detection of botulinum neurotoxin type B
<b>NEW</b> miPROTECT® Botulinum A/B	#217	Rapid duplex test for the detection of botulinum neurotoxin type A and type B
miPROTECT® Plague	#221	Rapid test for the detection of <i>Yersinia pestis</i>
miPROTECT® Tularemia	#222	Rapid test for the detection of <i>Francisella tularensis</i>
miPROTECT® Anthrax	#223	Rapid test for the detection of <i>Bacillus anthracis</i>
miPROTECT® Pox	#231	Rapid test for the detection of pox viruses

**Training kits:**

<b>NEW</b> miPROTECT® Simili for Toxins	#210-OVA	Rapid test incl. positive control as training kit
miPROTECT® Demo-Test	#219	Training kit incl. ready-to-use sampling device

**Sampling devices**

The ready-to-use sampling devices enable an easy sample collection as well as a quick preparation of solids, liquids or from surfaces. Assembled devices consist of a swab (PP) attached to a buffer reservoir and a tube in which a HDPE-filter (pore size of 200 µm) is integrated.

Sampling Device A	#251	Ready-to-use sampling device incl. buffer solution w/o detergents
Sampling Device B	#252	Ready-to-use sampling device incl. buffer solution w/ detergents

**miPROTECT® reader system**

miPROTECT® rapid tests are suitable for a visual read-out. In addition, test cartridges can be measured with a portable and robust reader allowing a semi-quantification and data storage of test results.

P.I.A. <sup>2</sup> Reader	#291	Portable, rugged hand-held reader with innovative camera system allowing a semi-quantification of miPROTECT® rapid tests for biological agents and drug testing.
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**For more information on miPROTECT® test systems or customized assay development, please contact us.**

**How can you reach us?** Our customer services are available 24 hours per day, 7 days a week.

We give you the  
safety you need!

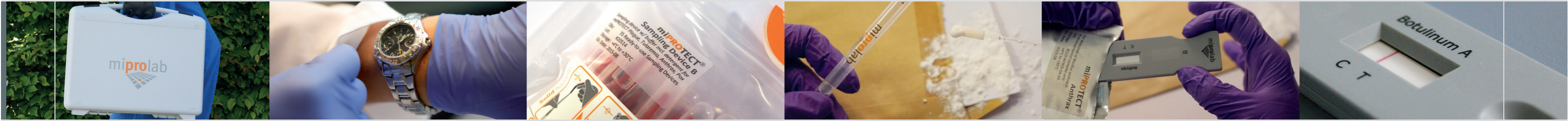
miPROTECT® Rapid tests for the  
detection of biological threat agents

- Rapid
- Easy-to-use
- Simple sample collection and preparation
- Visual read-out by naked eye
- Portable reader with warning signal



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Version  
DDO-PD-015\_000\_0233\_0



### Protection by timely detection

miPROTECT® rapid tests are designed for the rapid on-site detection of biological threat agents in the field



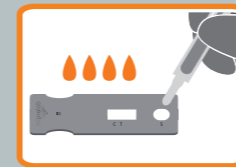
### Key benefits of miPROTECT®

- Detection of several different biological warfare agents being relevant as part of the “dirty dozen”
- Handy-sized test cartridges with lateral positioned grids
- Ready-to-use sampling devices for collection and preparation of solids, surfaces or liquids
- No need for special and sophisticated laboratory equipment
- Robust system for the use in the field
- Result in less than a few minutes
- Tested worldwide and approved by military personnel, civil protection units, and fire departments

### Fields of application



- Military
- First responders
- Civil protection units
- Fire departments
- Mail security
- Border controls
- Airport security check
- Mobile laboratories



### What does miPROTECT® detect?

Using miPROTECT® rapid tests, you will be on the safe side, because this rapid test detects the most important agents of the „dirty dozen“ in less than a few minutes.

Toxins	Bacteria	Viruses
Ricin	<i>Yersinia pestis</i>	Pox viruses
Botulinum neurotoxins	<i>Bacillus anthracis</i>	
Staphylococcal enterotoxin B	<i>Francisella tularensis</i>	

### How does miPROTECT® work?

miPROTECT® rapid test is an immunochromatographic assay for the detection of several biological warfare agents (BWA). After applying the diluted sample onto the oval sample port (S) of the test cartridge, the solution migrates via capillary forces through the test cartridge. After less than a few minutes, a red line appears in the control zone (C), which confirms that the test is working correctly. Another red line in the test zone (T) shows a positive signal and the presence of BWA in the sample. A negative test consists of a red line appearing solely in the control zone (C).

### How is miPROTECT® performed?

Only a few steps are needed to get a reliable result.

1. Suspicious samples such as liquids, solids or surfaces have to be easily collected and prepared in a single step with the ready-to-use sampling device provided with the kit.
2. Using this sampling device, diluted sample has to be applied onto the sample port of the test cartridge.
3. In less than a few minutes, results can be directly and visually read-out on the test cartridge. Do you need an instrument-assisted read-out? For this application, miPROLAB recommends using the portable, robust miPROTECT® reader allowing semi-quantification and data storage of the test results.

### How can miPROTECT® be interpreted?

- Negative result ... One colored line in the control zone (C) in the result window
- Positive result ... Two colored lines in the test zone (T) and the control zone (C)
- Invalid result ... No line, either control line or test line
- Invalid result ... One colored line in the test zone only