



## pBDi Portable BioDetector

### Multiple applications

#### Why choose pBDi?

- ✓ **Universal detection for toxins, bacteria and viruses**  
Direct identification in 20 minutes
- ✓ **Powerful and easy-to-use ELISA-based technology**  
Achieves optimum results with minimum effort
- ✓ **Sensitive system for toxins, bacteria and viruses**  
Upper pg/ml to lower ng/ml for toxins, up to  $10^3$  CFU/ml for bacteria,  $10^4$  PFU/ml for viruses
- ✓ **Battery-operated system with a ruggedized tablet PC**  
A portable solution for first responders and other mobile applications
- ✓ **Minimum sample preparation required**  
Extremely tolerant of various sample matrices
- ✓ **Automated data processing and "Traffic Light" based displays**  
Unambiguous interpretation of positive detection events
- ✓ **Simultaneous measurement on multiple targets**  
Up to 6 agents analyzed at the same time



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**AIRSENSE**  
ANALYTICS  
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**mipro**lab

**14.6 kg**  
including  
battery mode  
19 V DC

Dimension  
**L412 x W211**  
**x H337 mm**



[www.airsense.com](http://www.airsense.com)

Made in Germany

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## pBDi Portable BioDetector

### Portable Device for Biological Threat Mitigation

The **pBDi** is a portable detection platform for rapid and sensitive on-site identification of biothreat agents. Developed for use by non-scientific personnel, the **pBDi** is easily operated, even while working in protective equipment under extreme conditions. Fully portable and operating on internal batteries, **pBDi** can be used directly in the hot zone. **pBDi** can equally be integrated into various mobile platform solutions, while being powered from an external supply.



#### At a Glance

#### Various Test Kits for Analysis:

- Toxin Test Kit 1 (Ricin; SEB; Botulinum Toxin types A, B and F)
- Toxin Test Kit 2 (Abrin; SEA; Botulinum Toxin types C, D and E)
- Biothreat Agent Test Kit (*Bacillus anthracis*; *Yersinia pestis*; *Francisella tularensis*; *Brucella melitensis*; *Burkholderia mallei*; Smallpox viruses)
- Self Immobilization Chip and Customized Chips supported
- More detectable agents on demand



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