

Bio-Seeq™ PLUS

BIOLOGICAL AGENT IDENTIFIER



Feature Highlights

- **Hand-held, fully field portable LATE PCR technology**
- **Detects trace levels of specific BWA agents as low as 100 organisms**
- **Identifies biological warfare agents such as Anthrax (pX01 and pX02), Tularemia, Plague and Pan-Orthopox**
- **Results in approximately 65 minutes**
- **Supports up to 6 independent simultaneous assays**
- **Rechargeable lithium-ion battery pack**

The Bio-Seeq PLUS is a portable high precision instrument that detects trace levels of specific biological warfare agent (BWA) threats, both bacterial and viral, through DNA replication.

It utilises LATE PCR™ (Linear After the Exponential Polymerase Chain Reaction) technology for enhanced detection and identification reliability and capability.

The instrument software is designed for users with little to no experience with biological testing. Easy to follow prompts guide users through the entire analysis process.

The unit contains a membrane keyboard with extra large keys allowing the unit to be used with protective gloves. Optimised for use as a confirmatory technique in field testing, the Bio-Seeq PLUS is critical to missions when BWA is suspected.

The Bio-Seeq PLUS is backed by first-rated service, training and support to ensure optimum product performance.

Smiths Detection is a leading worldwide provider of advanced security solutions and government regulated technology products to detect and identify chemical, biological, radiological, nuclear, and explosive (CBRNE) material and other dangerous or illegal substances.

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Bio-Seeq PLUS

The Bio-Seeq PLUS includes the following design and operation improvements:

- New thermocycler heater for greater reliability and temperature stability
- New keyboard for greater reliability and ease of use
- Internal battery can be recharged while in use, utilising an external power supply
- External power compatible with European and USA voltages

Assays available

- Anthrax pX01 and Anthrax pX02
- Tularemia
- Plague
- Orthopox
- Training consumable

The Bio-Seeq PLUS utilises sophisticated LATE PCR technology. This technology reduces false positives and improves the overall reliability of results. The Bio-Seeq PLUS assays also utilise Smiths LATE PCR enhancement reagent known as PrimeSafe™ which virtually eliminates mispriming.

CE approved
LATE PCR™, Bioseeq™ and PrimeSafe™ are registered trademarks of Smiths Detection

Technical Data

General Specifications

Size	30.5 x 18 x 7.5 cm (12 x 7 x 3 inches)
Weight	Detector (including battery pack) 3.0 kg (6.6 lbs) Battery pack 0.47kg (1.04 lbs)
Power	External: 12Vdc, (via an ac adapter) Battery: Rechargeable Lithium-Ion battery pack -can run up to 10 hours on a single charge
Communications	RS232. Can also be converted to USB with the addition of a commercially available serial connector
Capacity	Up to 6 independent simultaneous assays.
Typical Test Time	LATE PCR results in approximately 65 minutes depending on environmental conditions
Consumables	Self contained, single use sample cartridge device. Training cartridge also available



Bio-Seeq PLUS
LATE PCR assay
cartridge



For product information, sales or service, please go to www.smithsdetection.com/locations

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