

# BioCapture® 650

PORTABLE AIR SAMPLER

The BioCapture® 650 was designed for first responders working in unfamiliar, challenging and dangerous environments. We know that emergency situations are no place for chemistry set-ups and delicate instrumentation. The BioCapture is cutting-edge air sampling technology packed in a rugged, lightweight package. Large single button operation means responders can quickly execute the sampling mission and proceed to other objectives.

The key to the BioCapture is the integrated collector cartridge. With the rotating impactor, fluid chamber, fluid lines and sample vial pre-assembled in one disposable cartridge, the system is deployment ready when you are. When the operation is complete, simply replace the cartridge and you are ready for your next mission. There are no internal lines to decontaminate, no sand or dirt to clean out of moveable parts and corners. Simplify your biosampling preparedness program with the BioCapture.



## FEATURES

- Single button operation in hot zone
- Deployment ready for emergency use
- Laboratory effectiveness in a rugged 7.5 lb package
- Collects typical agents released in a bio-threat attack including bacterial spores (such as *B. anthracis*, which causes anthrax), bacteria (such as *Y. pestis*, which causes plague), viruses (such as smallpox) and toxins (such as ricin)
- 100% decontamination ability
- Highly operable in sand, dust and inclement environments
- Flexible sampling times
- Disposable collector cartridge prevents cross contamination
- Easy to operate by user in fully dressed Level A or MOPP-IV gear

The BioCapture represents a significant leap forward in air sampling technology. Incorporating the latest technological breakthroughs in particle collection, the portable, handheld unit captures airborne pathogens and spores into a concentrated liquid sample. A snap-in, disposable sampling cartridge minimizes set-up and decontamination. The BioCapture provides the user with an effective and easy to use instrument for fast, safe and efficient biological agent collection.

## SPECIFICATIONS

Height	5.25 in (13.3 cm)
Width	6 in (15.2 cm)
Length	14.5 in (37 cm)
Weight	7.5 lbs (with battery and cartridge)
Sampling Flow Rate	200 liters per min
Particle Size Collection	0.5 to 10 microns
Liquid Sample Volume	2 to 5 ml
Sampling Times	5, 15, 30 and 60 min
Power Supply	Lithium Ion battery
Electrical	12 VDC, 26 watts
Operating Angle	0° to 20° (horizontal)
Operating Temperature	35°F to 110°F (2°C to 43°C)
Storage Temperature	-51°F to +140°F (-46°C to +60°C)
Operating Humidity	5% to 95%, non-condensing
Operating Altitude	Up to 15,000 ft
Rain	Water-tight; 1.8 in per hour in 20 mph wind for 30 minutes



The BioCapture collects micron and submicron airborne particles. The battery-powered system is ideal for indoor and outdoor tactical response to potential threats such as anthrax, plague, smallpox and tularemia. Whether the user is operating in a hot zone dressed in Level A or MOPP-IV gear or performing intermittent air sampling in a mail room, operating the BioCapture is effortless and extremely cost effective.



**The Americas**  
2100 Crystal Drive  
Suite 650  
Arlington, VA 22202  
T +1. 877.692.2120

**Middle East**  
Suite 1-11  
Building 6E-A  
Dubai Airport Freezone  
PO Box 371363  
Dubai, UAE  
T +971 4 701 7195  
F +971 4 701 7194

**Europe**  
Piepersberg 12  
42653 Solingen  
Germany  
T +49 212 222090  
F +49 212 201045

**Asia**  
Level 28 Gateway East  
152 Beach Road  
Singapore  
T +65.6827.9789  
F +65.6295.2567

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