PRODUCT OVERVIEW

BioXC™ 200GX

TRIGGERED OR CONTINUOUS AIR SAMPLER

The BioXC™ 200GX is an affordable approach to continuous or triggered bio-threat sampling. It is designed for seamless integration with the Cepheid GeneXpert® presumptive identifier. The innovative design of the BioXC eliminates the need to transfer samples from a collection vial or cartridge into the GeneXpert cartridge, significantly reducing risk of inadvertent human exposure and reaerosolization of concentrated pathogens.

The approach helps speed up the time from detection to confirmation testing and minimize the risk of human contact with the sample. When a GeneXpert cartridge is placed into the BioXC dispensing chamber, the sample is automatically deposited into the cartridge and ready for subsequent analysis. A standard sample vial can be used similarly.

By automatically dispensing the liquid into the cartridge, the BioXC eliminates the time-consuming and costly process of transfering the sample manually with a pipette. No additional fluidics are required.

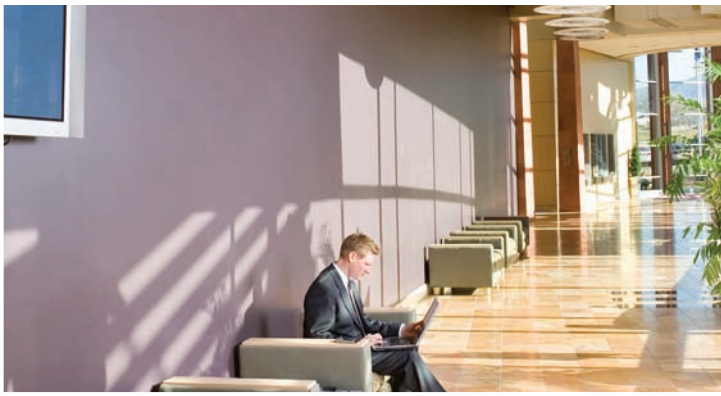
The BioXC may also be integrated with the FLIR AirSentinel® 1000B to create a trigger-based bio-threat detection system. In that scenario, the AirSentinel 1000B would trigger the BioXC to take a sample only under threatening conditions, rather than continuously sampling, thus reducing the costs of consumables.

FEATURES

- 150 lpm air flow rate
- Continuous autonomous operation
- Optional triggered sample collection
- Recommended for use with the FLIR AirSentinel 1000B detector
- May be integrated with third-party biological identification and detection technology
- Flexible design accommodates unique customer requirements and enables a variety of deployment models
- Optional wireless communications

The BioXC uses the FLIR patented rotating impactor technology. This unique air-sweep approach allows high-volume aerosol samples with low power requirements and reduced risk of reaerosolization relative to wet-walled cyclones.

The BioXC isolates the aerosol sample into a standard vial or the GeneXpert cartridge. The auto-dispense feature offers a safe and simple approach to sample collection. To initiate the testing sequence, remove the cartridge from the dispensing station and place it into the GeneXpert presumptive identifier. If a standard vial is used, the liquid sample is ready for analysis.



APPLICATIONS

- Building facility management
- Subways and airports
- Mailrooms and mail distribution facilities
- Outdoor event surveillance
- Hospitals and other healthcare facilities
- Educational institutions
- Military

SPECIFICATIONS

Height	10 in (25.4 cm)
Width	6.8 in (17.2 cm)
Depth	5.5 in (14 cm)
Weight	5 lbs (2.3 kg)
Power Source	24 VDC
Sample Flow Rate	150 lpm
Particle Size Collection	1 to 10 microns
Collection Efficiency	50% average
Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 70°C
Interface	RS-232
Maximum Power	33.9 watts
Standby Power	2.4 watts

LAURUS SYSTEMS

LAURUS Systems, Inc. - Ph: 410-465-5558 - Fax: 410-465-5257 - www.LaurusSystems.com