

Water and Bioburden

Leveraging the Growth Direct™ Technology

The Growth Direct™ System for Water and Bioburden provides the testing and analysis of samples for microbial quality control. The system automates the testing and delivers results in half the time of the traditional method.

Completely Automated

The system eliminates virtually all of the tedious, manual steps associated with testing of water and bioburden samples. Once the user has prepared the sample, the technology takes over to provide incubation, enumeration, reporting and integration to LIMs systems.

Cuts Testing Time in Half

Growth Direct™ System for Water and Bioburden uncovers positive results within hours of testing and provides final results in about half the time of a typical test. Results are provided in colony forming units (CFU's).

Easy to Validate

The Growth Direct™ System for Water and Bioburden is NOT an alternative method, but rather an automated version of the existing compendia method, simplifying validation.

Actionable Reporting

Configurable action and alert limits provide the user updates when samples are out of the configured specification allowing faster response to potential contamination events. Alerts can be sent to email and mobile phones.

Non-Destructive

The system uses no reagents. Positive samples can continue to incubate and be sent to a microbial identification system for further analysis.



Available in 2013

Frequently Asked Questions

How does the system get the same results as the current test?

The method is based on the current test and uses no reagents. The device analyzes the natural autofluorescence of growing cells and tracks growth over time.

What is the time to results for this device?

A positive result will be available within hours and a final result in about half the time of the compendial test.

What is the expected throughput?

For the average 5 day water test, the device will process 280 samples per day at a single temperature and 233 samples with serial incubation.

Would this be validated as an alternative method?

No, the method mirrors the current method and simply automates it. Only accuracy and precision testing are required validation criteria.

Will my sample preparation have to change?

No, sample preparation will mirror your current processes.

What types of contaminants are detected?

The Growth Direct™ System for Water and Bioburden detects molds, yeasts and bacteria.

How large is the new device?

The device is comparable in size to a floor standing incubator or a -80°C freezer. The approximate measurements are 55" (140 cm) wide by 37" (94 cm) deep. The height of the device is 94" (239 cm).

What kind of services and support are available?

Rapid Micro Biosystems provides multiple levels of support from installation and validation; application, preventative maintenance and service. We ensure the consistent and high efficiency operation of the Growth Direct™ System.



What is the cost of the Growth Direct™ System for Water and Bioburden?

The device is priced to ensure a compelling return on investment for the micro quality control lab. Speak with a Rapid Micro Biosystems representative who will provide a quotation and help you build your case.

Where can I see the device?

Rapid Micro Biosystems will host events in Bedford, MA, featuring the device. Visit www.rapidmicrobio.com/workshops to register for one of these events.

