



**Save Time,  
Save Money,  
Increase Productivity**

# **Environmental Monitoring**

## ***A new application leveraging the Growth Direct™ technology***

The Growth Direct™ System for Environmental Monitoring revolutionizes the testing and analysis of samples for microbial environmental monitoring quality control. The system automates the high volume testing typically found in the combination of air, surface and personnel monitoring.

### **Two results in one**

The device provides a positive result in hours, and final results in half the time of the compendial method. The test is also non-destructive. These characteristics allow quality control teams to react quickly to any potential contamination, but still have access to both the final CFU counts for analysis and the positive sample for microbial identification.

### **Large Capacity**

Designed with high throughput in mind, the system contains two incubators with a total incubation capacity of over 700 environmental monitoring cassettes. Robotics concurrently load, incubate and analyze samples, providing the maximum throughput in minimal space.

### **Integration to LIMS**

The Growth Direct™ for Environmental Monitoring seamlessly integrates into existing laboratory information management systems, accelerating the availability of sample data beyond the lab and eliminating any keying errors associated with manual sample processing.

### **Actionable Reporting**

The system alerts users immediately via email or text message when samples are out of conformance, while trending analysis uncovers any developing issues.

***Available in 2013***



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## **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 traditional 3-day environmental test, the device will process 466 samples per day at one temperature. For a traditional 5-day test, the device will process 280 samples per day at a single temperature and 233 tests across 2 temperatures.

### **Would this be validated as an alternative method?**

No, the method mirrors the current environmental 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 be the same as your current processes.

### **What types of contaminants are detected?**

The Growth Direct™ System for Environmental Monitoring 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 Environmental Monitoring?**

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](http://www.rapidmicrobio.com/workshops) to register for one of these events.

