Instant BioScan

REAL-TIME MICROBIAL DETECTION

Real-Time Microbial Monitoring System™ RMS-UM

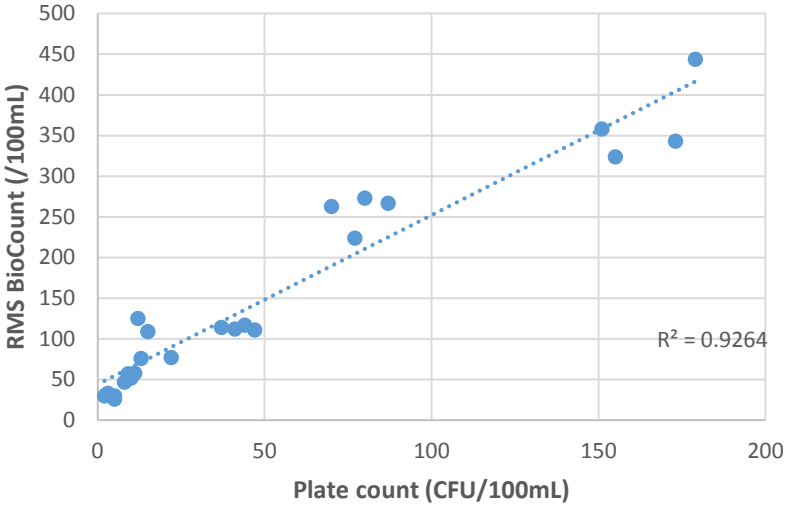
Real-Time

Real Results

RMS-UM

Instant BioCounts & Particle Counts

Bacillus subtilis **Correlation Graph**



Advanced Biophotonics

Our laser based technology provides instant detection and quantification of microorganisms, circumventing limitations from growth-based technologies that are dependent on incubation conditions, growth media, and reagents.

Specifications

Sample Flow Rate	30 ml per minute
Biological Detection and Quantification	Detect and quantify bacteria and fungi ≥ 0.6µm
Limit of Detection	1 BioCount
Limit of Quantification	1 BioCount
Dynamic Range	1 - 2x 10^4 total counts / ml
Linear Range	1 - 700 total counts/ml
Sample Temperature (noncondensing)	Ambient - 90°C (Ambient - 194°F) Intermittent Ambient - 50°C (Ambient – 122°F) Continuous
Operational Environment (noncondensing)	Up to 40°C (100°F)
Online Inlet Pressure	2 – 7 bar (30 – 100 PSIG) ±1 PSI
Data Report Interval	User defined
RMS Operating Software	Windows Embedded Standard 7 | 21CFR Part11
Data Communication	Ethernet - standard RJ45 / WIFI Capable SCADA Connectivity via ModBus TCP
Physical Dimensions	W: 11.02"(28 cm) ; H: 11.42" (29 cm); D: 16.93" (43 cm)
Weight	30 lbs (13.6 kg)
IP Rating	Stainless Steel Enclosure
Power	90-240 VAC / 1 A Max Power adapter and cord standard
Maximum Allowable Particle Size	50 µm
Monitoring Location	Online, At-Line, or Laboratory application standard

APPLICATIONS

- Pharmaceutical
- Food & Beverage
- Parenteral Drug
- Personal Care
- Drinking Water
- Recreational
- Waste Water
- Oil & Gas

FEATURES

- No Sample Preparation or Reagents
- Easy Operation
- Low Maintenance
- Automatic and Manual Sanitizing Functionality
- User-defined Alarm and Alert Thresholds
- SCADA Connectivity

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