SurCapt™

Microbial Surface Detection Kit

The SurCapt™ Microbial Surface Detection Kit is an all-inclusive, ready-to-use kit which simplifies and quickens the process of environmental surface testing for biological contamination. The kit uses GreenLight® Technology for the rapid detection of microbial activity on cleanroom surfaces and the design reduces the likelihood of sample cross-contamination and mishandling of samples by the operator.

The SurCapt Kit is intended to be used with the GreenLight automated reader. The reader's internal LED sends light to the polymer sensor located in the kit vial. The optical system detects the decay of the fluorescence signal emission, referring to the oxygen depletion over time due to the microorganism's respiration. The system is flexible and allows either enumeration produced from an internal calibration, or a pass/fail test based on presence/absence of oxygen depletion over time. The reader software allows continuous measurements of oxygen depletion within the reader or endpoint measurements from externally incubated samples.

The SurCapt Kit with the Greenlight dedicated reader offers:

- A traditional, growth-based method with enhanced sensitivity due to the GreenLight Technology
- Non-destructive testing allows further analysis or speciation by traditional methods
- Suitability for Class A/ISO 5 classified areas and lower
- An ideal way to sample the most critical and hard-to-reach points identified by risk assessment
- High recovery of surface microbial contaminants using certified flocked swabs
- Faster time-to-results using an oxygen-sensitive probe assay
- Automated sample analysis eliminating human reading subjectivity
- Up to 24 samples can be automatically processed per carousel

BENEFITS

Time-to-Result

- Achieve results typically within 24 hours
- Increase sensitivity by maximizing recovery
- Advanced test tracking and reliability
- Easy-to-use automated reader with 21 CFR Part 11 compliance

Cost Saving

- Easier disposal than agar plates
- No extra costs and risks due to reagent dispensing
- Reduces risks of false positives in aseptic production areas and related investigations

Test Ready

- Fully prepared and disposable
- Minimizes operator handling
- Eliminates unintended contamination
- Each set of five samplers is triple-bagged and gamma irradiated
- H_2O_2 - impermeable packaging

Reduced Operator Handling

- Decreases time-consuming and operator-dependent manipulations
- Simplified standard operating procedures
- Faster sampling steps
- Easy lift-out interchangeable carousel

FEATURES

- Standard TSB culture media
- FLOQSwab™ flocked swab with SRK™ for highest recovery swabbing (>70% each lot).
- Reduced variability on results
- Eliminate cleaning validation studies for culture media residues required for contact plate method
- Compact design and low maintenance reader
- Integrated incubator
- Intuitive screen monitor
- Easy-to-read dashboard with tabular graphics
- Result as Presence/Absence or as colony forming units (CFU)
- Secure results and 21 CFR part 11 compliance
- Compatible with Microsoft Windows®

APPLICATIONS

- Microbiological surface sampling in cleanrooms and associated controlled environments
- Microbiological monitoring of equipment, operator clothing and gloves
- Easy monitoring of critical point in RABS and isolators

PARTICLE MEASURING SYSTEMS®
pmeasuring.com

ems
validation calibration compliance

SurCapt™

Microbial Surface Detection Kit

Specifications

Surface Detection Kit

Materials	Each individual gamma irradiated peel pouch kit contains: - SurCapt vial: polypropylene vial with integrated platinum porphyrin polymer and 10 ml of TSB - FLOQSwab: flocked swab in polypropylene tube with sponge and 1ml of Surface Rinse Kit™ (SRK)	
Dimensions	SurCapt vial - 15 ml capacity vial: - 120 mm length including red stopper - 17 mm diameter	Swab tube: - 175 mm total length including green stopper - 12 mm external diameter
Filling Volume	10 ml	
Media	Tryptic Soy Broth (TSB)	
Additives	Neutralizers included in the SRK buffer	
Packaging	Two bags containing five kits each are triple-bagged together, 20 of the triple-bagged units are placed inside a fourth plastic bag to produce a final package containing a total of 200 vial kits.	
Storage Temperature	5 °C - 25 °C (41 °F to 77 °F)	
Approximate Detection	10^0 to 10^8 cells	

GreenLight Automated Reader

Model	Model 930-15 uses 15 ml capacity vials or adapters	**Operating Temperature**	18 °C to 24 °C (64.4 °F to 75.2 °F)
Test capacity	24 vials	**Storage Temperature**	10 °C to 35 °C (50 °F to 95 °F)
Throughput	Up to 216 tests in pass/fail mode	**Relative Humidity**	0 - 95% non-condensing
Power (adaptor supplied)	100-240 VAC, 50-60 Hz Output 72 W max	**Dimensions (H x W x D)**	31.8 x 30.50 x 38.14 cm (12.52 x 12.01 x 15.02 in)
USB ports	1 USB peripheral port 1 external Barcode Reader port	**Weight**	12.30 kg (27.12 lbs)
Internal Incubation Temperature	Ambient 2 °C to 40 °C (35.6 °F to 104 °F)	**Accessories**	Laptop computer (pre-loaded with GreenLight software), extra carousel (24 places), external Barcode Reader
Language	Manageable by end-user		

ems
validation calibration compliance

IRELAND
EMS Ireland
T: +353 (0)1 295 7373
E: info@ems.ie
W: www.ems.ie

UNITED KINGDOM
EMS Particle Solutions
T: +44 01223 257704
E: info@emsparticlesolutions.co.uk
W: www.emsparticlesolutions.co.uk

PARTICLE MEASURING SYSTEMS®

PMS HEADQUARTERS
5475 Airport Blvd
Boulder, Colorado 80301 USA
T: +1 303 443 7100, +1 800 238 1801
W: www.pmeasuring,com

02/16 0K