

SurCapt®

Microbial surface detection kit



The SurCapt® Microbial Surface Detection Kit is ready-to-use, simplifying and quickening the process of environmental surface testing for biological contamination. In combination with the GreenLight® automated reader, microbial activity on cleanroom surfaces is rapidly detected with the reduced likelihood of sample cross-contamination and mishandling of samples by operators. The kit includes a COPAN swab and SurCapt vial prefilled with 10 ml of sterile TSB.

The GreenLight reader's internal LED sends light to the polymer sensor located in the vial. The optical system detects the decay of the fluorescence signal emission using oxygen depletion over time due to microorganism respiration. The system's flexibility allows for both enumerations produced from an internal calibration, and a pass/fail test based on presence/absence of oxygen depletion over time. The reader's software can continuously measure 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 using GreenLight Technology
- Non-destructive testing for further analysis or speciation by traditional methods
- Detection for Class A, B, C and D (ISO 5, 6, 7 and 8) environments
- 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 automatically processed per carousel

BENEFITS

Time-to-Result

- Achieve results typically within 24 hours
- Increase sensitivity by maximizing recovery
- Advanced test tracking and reliability

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

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
- FLOQSwabs® 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 and EU GMP Annex 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

Surface Detection Kit

Materials	Each 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 1 ml of Surface Rinse Kit (SRK®)	
Dimensions	SurCapt vial - 15 ml capacity: - 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	Individually packed COPAN swabs are packaged in groups of 10, with a case totaling 200 swabs. Each SurCapt package contains 50 vials to a rack. A case includes a total of 200 vials.	
Storage Temperature	5 - 25 °C (41 - 77 °F)	
Approximate Detection	10 ⁰ to 10 ⁸ cells	

Kit: 790070000 Filled vials: 90790086
Empty vials: 90790085 Swabs: 90790089

GreenLight Automated Reader

Model	Model 930-15 uses 15 ml capacity vials or adapters	Operating Temperature	18 - 24 °C (64.4 - 75.2 °F)
Test capacity	24 vials	Storage Temperature	10 - 35 °C (50 - 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 - 40 °C (35.6 - 104 °F)	Accessories	Laptop computer (pre-loaded with GreenLight software), extra carousel (24 slots), external barcode reader
Language	Manageable by end-user		

Reader: 790060-0000
Laptop with software: 453047

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