



Oculer

Bringing Microbiology to Light

Rapid Microbial Detection and Growth Assay for industrial laboratory applications

Oculer Greenlight® EM-Check™ vials for Environmental Monitoring



Oculer's advanced EM-Check™ assays offer:

- Enhanced sensitivity due to the Greenlight® Technology
- Non-destructive testing allowing for further sample analysis
- Suitability for Class A/ISO 5 classified areas and lower
- Ideal way to sample the most critical and hard-to-reach points
- High recovery of surface microbial contaminants
- Results available within 24 hours for bacteria
- Fully Automated
- Sterile Floc Swab and Gamma irradiated media supplied together



Simple
Fast
Accurate

A FLOQSwab™ consists of a moulded plastic applicator stick with a variable size and shape tip. The tip of the applicator is coated with short Nylon fibres that are arranged in a perpendicular fashion. FLOQSwabs™ have no internal core to trap the specimen and are ideal for sampling of the environment.

“Bringing Increased Safety to the Food, Dairy & Personal Care Products”

The EM-Check™ 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.

Greenlight® Technology is based upon an oxygen depletion sensor. As microorganisms grow they utilise dissolved oxygen and the drop in oxygen concentration is detected using an oxygen sensor. The Greenlight® instrument is a combined incubator/reader that allows the rapid and accurate detection of microorganisms.

The system can be used in semi-quantitative or presence/absence mode.

Whilst a quantitative result can be obtained, most users prefer a “traffic light system”, where the Instrument groups results as:

Green - low level or no contamination

Amber - some contamination but not cause for concern

Red - high levels of contamination, action required

Levels can be custom specified according to the type of surfaces being examined.

Monitoring the detection time for samples from the same point of origin over a period of time facilitates trend analysis.

The procedure for monitoring surface swabs is extremely simple and takes only a few steps. No microbiological training is required.

BENEFITS

Time-to-result

- Results typically within 24 hours
- Increase sensitivity by maximising 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

Reduced Operator Handling

- Simplified standard operating procedures
- Faster sampling steps
- Easy lift-out interchangeable barcoded carousel

FEATURES

- Standard TSB culture media
- FLOQSwab™ flocked swab with SRK™ for highest recovery swabbing (>70% each lot).
- Reduced variability on results
- Eliminates cleaning validation studies for culture media residues required for contact plate method
- Compact design and low maintenance reader with integrated incubator
- Intuitive easy-to-read software
- Results displayed as “Presence/Absence” or as colony forming units (CFU)
- Bar coded ensuring traceability

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

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