



Oculer

Bringing Microbiology to Light



Rapid Positive Release of Commercially Sterile Products

The Oculer CS-Check® is an automated commercial sterility testing system for a wide range of products including Dairy, Non-Dairy and carbonated beverages.

The reduced time to result leads to lower warehouse costs, plus early warning of possible spoilage problems thereby reducing waste production and enabling immediate root cause investigation. In a fast moving, routine production facility, it is essential to have a simple-to-use check on commercially sterile products, one that is rapid and more accurate than traditional plates.

FAST

Commercial sterility pass result within 48 hours after pre-incubation

SENSITIVE

A larger sample size (10mm) is up to 100x more sensitive than plates

FULLY AUTOMATED

Reduce manual errors; collect real-time data without the need for highly skilled staff



EASY TO USE

One step sample inoculation into ready-prepared vials, can be done by any operative

FLEXIBLE

Not affected by sample matrix, same protocol can be used for airy or plant-based beverages

COST EFFECTIVE

Releasing product faster lowers warehousing costs and maximises shelf life

How it works

The Oculer CS-Check assay will automatically monitor and analyse samples, detecting the presence of microorganisms within minutes, with a confirmed negative result in 48 hours. Results are available in real-time leading to much faster alerts of positives. Unlike ATP and flow cytometry tests, the Oculer system utilises a 10 ml sample volume which enables the system to detect bacteria and yeast & moulds down to a single organism. This represents a breakthrough

enhancement in sensitivity by several orders of magnitude. The presence of bacteria, yeasts and moulds is accomplished in a single test.

Using gamma-irradiated, pre-prepared vials, stored at ambient temperature, the Oculer CS-Check® assay, does not require a lab or specific microbiological expertise to achieve positive release on commercially sterile finished products.

100%

More sensitive

50%

Faster than agar

97%

Independently
validated inclusivity

30m

For early results



Simple



Fast



Accurate

- Protected brand with positive releases
- Not affected opacity
- Same protocol for all products
- Automated alerts from multiple sites

Suitable for UHT or ESL Beverages

- Milks
- Yoghurts
- Flavoured milks
- Dairy or plant-based



**Improve your cashflow and protect your brand with Oculer.
Contact us today for a proof of concept discussion.**