



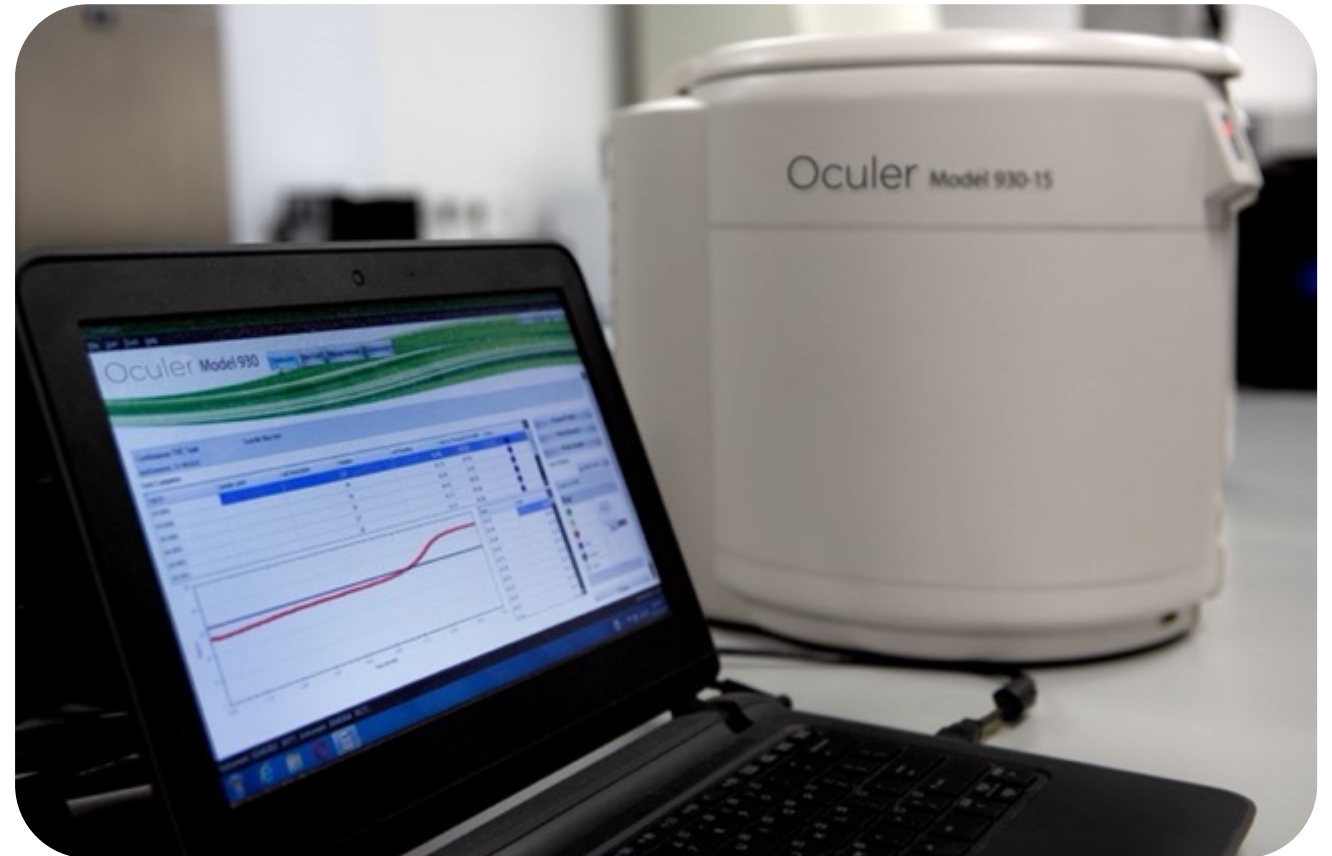
Oculer

Bringing Microbiology to Light

RAPID MICROBIOLOGICAL TEST SOLUTIONS FOR INDUSTRIAL LABORATORY APPLICATIONS

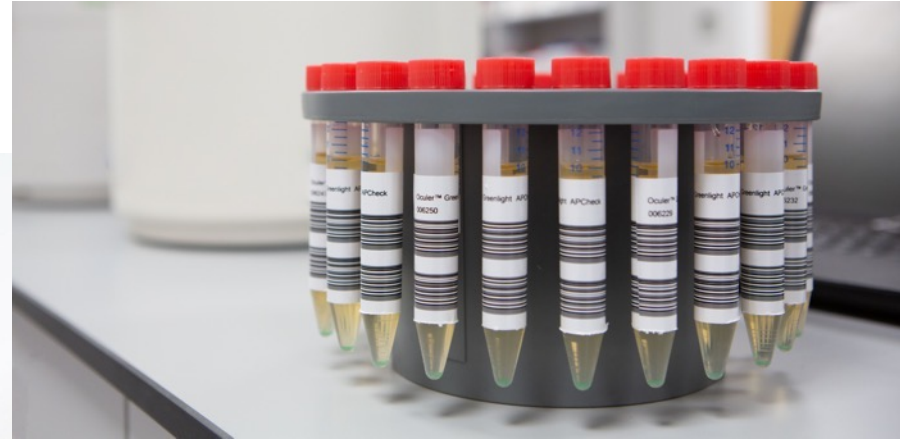
Oculer Rapid 930 Series

Single Tube High-Sensitivity Rapid Tests

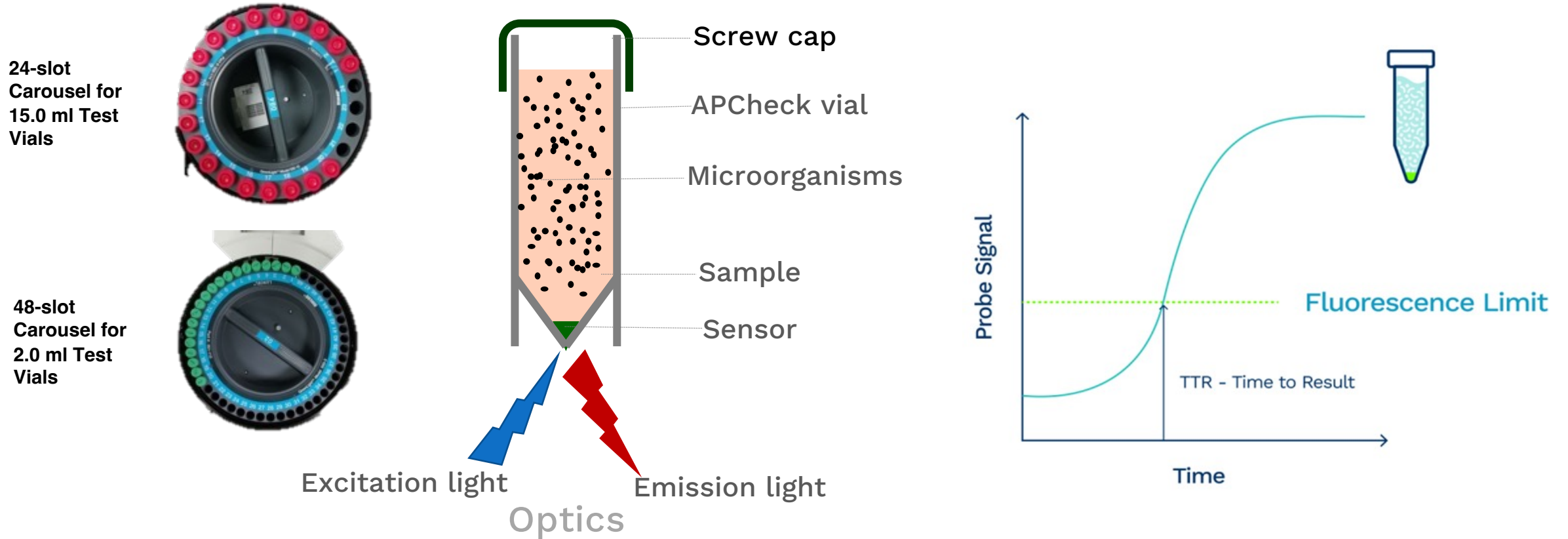


Oculer Rapid 930 Series

Single Tube High-Sensitivity Rapid Tests

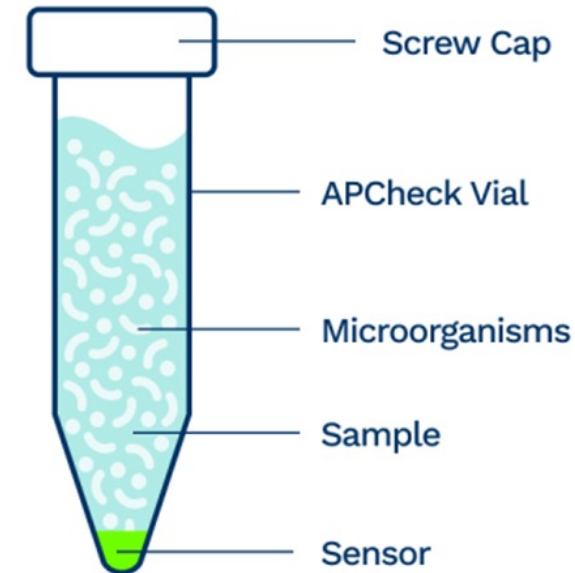
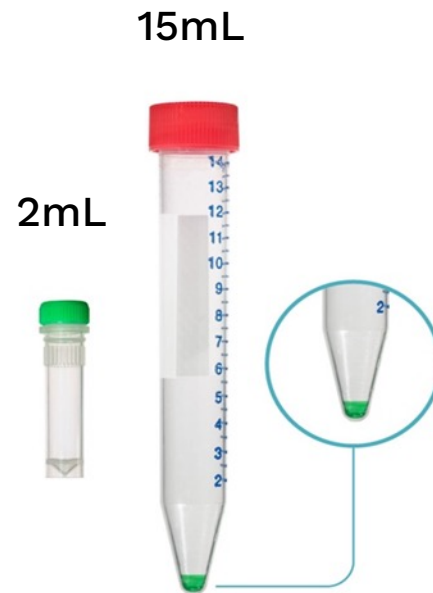
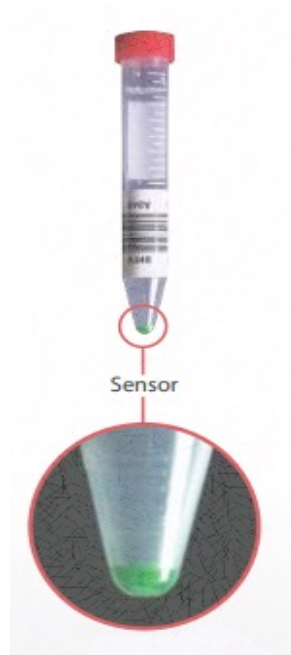


Oculer Rapid 930 Series : Technology Principle



Oculer can run several assays simultaneously - in continuous mode for the enumeration of results or in presence/absence mode for boosting capacity throughput of the instrument

Oculer Rapid 930 Series Sensor



Oculer Rapid 930 Series APCheck™ Vials (2.0 ml and 15.0 ml) are shipped with proprietary bio-engineered selective growth media included and are gamma irradiated to guarantee sterility.

Oculer Rapid 930 Series

Dashboard

New Test

Manage Methods

Administrator

Hide Menu

?

Help

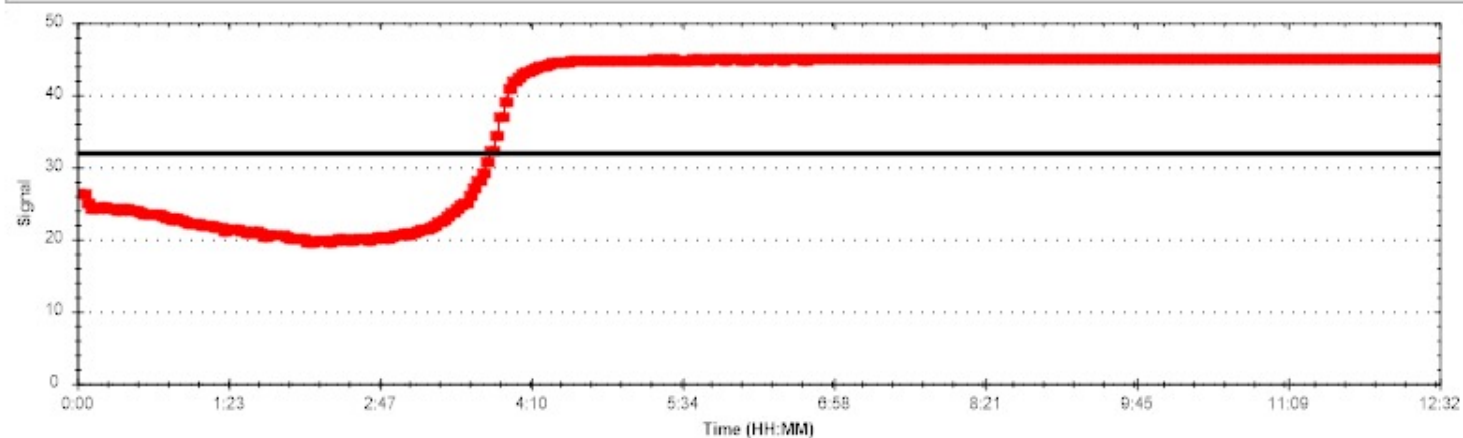
Continuous Time Test

Test ID: 2mL with bacteria

Instrument: 0416ET028

Test Complete

Vial ID	Sample Label	Vial Description	Position	Last Reading	Time to Threshold (HH:MM)	Status
012459			1	44.25	= 07:17	F
012460			2	44.87	= 03:48	F
012461			3	32.67	= 12:32	F



Time	Value
12:33	44.87
12:30	44.94
12:28	44.97
12:25	44.97
12:23	44.91
12:20	44.89
12:18	44.98
12:16	44.97
12:13	44.96
12:11	44.88
12:08	44.98

Export Data

Print Report

Move To History

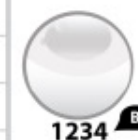
Test Criteria:

View Details

Duration (HH:MM):

Key

- P Pass > 24:00
- C Caution
- F Fail <= 24:00
- D Done
- I Inactive
- A Active



Close

Currently available assays



- TVC
- Yeast & Mould
- Commercial sterility
- Environmental Monitoring
- Cleanroom surface contamination kit
- Gram positive & Gram negative screening assays
- Alicyclobacillus
- Enterobacteriaceae
- Assays supplied in 2ml and 15ml vial formats

Assay Performance

Matrix of Selected Oculer Assays – Time to Result (Hours)

Traditional Methods Incubation Periods required - Hours	Assay	Oculer Assay Performance		
		Time to Results for Positives (Hours)		
		1 cfu/ml	100 cfu/ml	1000 cfu/ml
72	TVC	24	18	14
120	Yeast & Mould	48	24	16
120-168	Commercial Sterility	72	N/A	N/A
72	Pseudomonas in Tea Essence	24	16	12
120	Bacillus in Iced Tea	24	18	14

Differentiators over other rapid methods



- Low instrument cost – enables a reagent rental solution to avoid up-front capex
- Simple, Fast and Accurate
- No microbiological resources required
- Ease of sample preparation
- Fully automated reporting of results
- Reduces lab waste



Yeast & Mould

Automated detection of Yeast and Mould in less than 48 hours

- Results 48 Hrs Vs. 5-7 days traditional
- Assay promotes growth of Yeast & Mould while suppressing the growth of bacteria, even in live yoghurt
- Oculer can detect a single mould spore in 10 ml sample volume
- Excellent specificity (Hansen Starter Culture)



2x

Faster than plates

100x

More sensitive

100%

Eliminate media preparation

216

Assays per instrument

Commercial Sterility

Automated Commercial Sterility Testing for all Matrices



- Large sample volume (10 ml) delivers high sensitivity; approximates to real life conditions
- Results (bacteria and moulds) in <48 hours – often immediate
- Combines assay speed with greatly increased sensitivity (LOD₉₅ 1 cfu)
- Orders of magnitude more sensitive than flow cytometry and ATP

100x

More sensitive

50%

Faster than agar

97%

Independently validated
inclusivity

30m

For early results

TVC Assay

Flexible Total Viable Count Assay tailored to your QA requirements



Oculer

Bringing Microbiology to Light



Typical applications for Oculer's versatile TVC assays



Process water



Raw and processed meat



CIP rinse water



Wide variety of dairy products

Environmental Monitoring Assay

For rapid detection of microbial
contamination on clean room
surfaces

Oculer's EM-Check Surface Microbial Detection Kit is an all-inclusive, ready-to-use kit which simplifies and speeds up the process of routine Environmental Surface Testing for Biological Contamination.



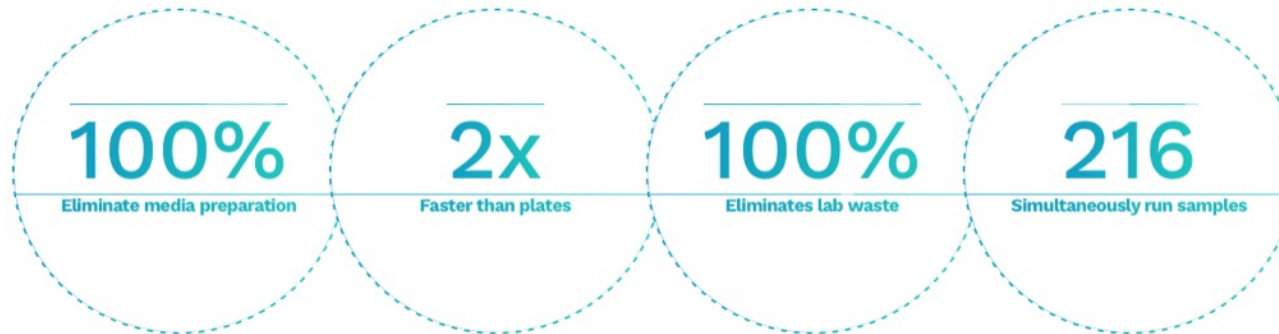
Simplified testing for microbial load on surfaces



Alicyclobacillus Assay

Simple, automated Alicyclobacillus screening revolutionises fruit juice manufacturing

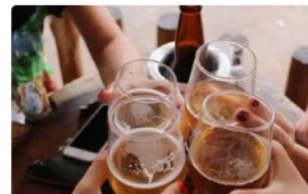
Oculer has developed a simple, automated assay for the detection of Alicyclobacillus that requires no specific expertise in identifying this unusual organism



Typical applications for Alicyclobacillus assays



Fresh and pasteurised
fruit juices



Low and non-alcoholic
wine



Iced teas



Isotonic drinks

