



# IntuBio

*Making Microbiology Go Live*

## Our Vision

At IntuBio, we envision a world where food and pharmaceutical industries thrive on the cutting edge of microbial testing. Our commitment is to revolutionize testing methods, providing unparalleled speed, accuracy, and reliability. We aim to be the trusted partner that empowers businesses to ensure the quality and integrity of their products, while setting new industry standards for efficiency and safety.

## Contact Us

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# IntuBio

## Our Team

Our team consist of experts in optics, microbiology, image analysis, mechanical design and process technology. The composition of the IntuBio team allows us to be extremely agile and reduces the time from idea to solution.

## IntuBio as Vendor

At IntuBio, we emphasize the importance of maintaining strong connections with our customers and highly value delivering outstanding customer service. We view ourselves not just as vendors, but as dedicated partners committed to understanding and addressing the specific needs of our clients. Through open and transparent communication, we go beyond the role of a typical supplier, actively engaging with our customers to anticipate challenges and customize our services accordingly. Our unwavering commitment to outstanding customer service is a testament to our dedication to surpassing expectations and building enduring, mutually beneficial relationships.

## Our Clients

We proudly support our client-base of industry leaders in pharmaceutical, chemical, and food manufacturing with our rapid microbial testing solutions. Their trust in our technology underscores our commitment to delivering reliable solutions that enhance product safety and operational efficiency.

# Imaging Technology

## oCelloScope™

### Patented high resolution 3D optical system

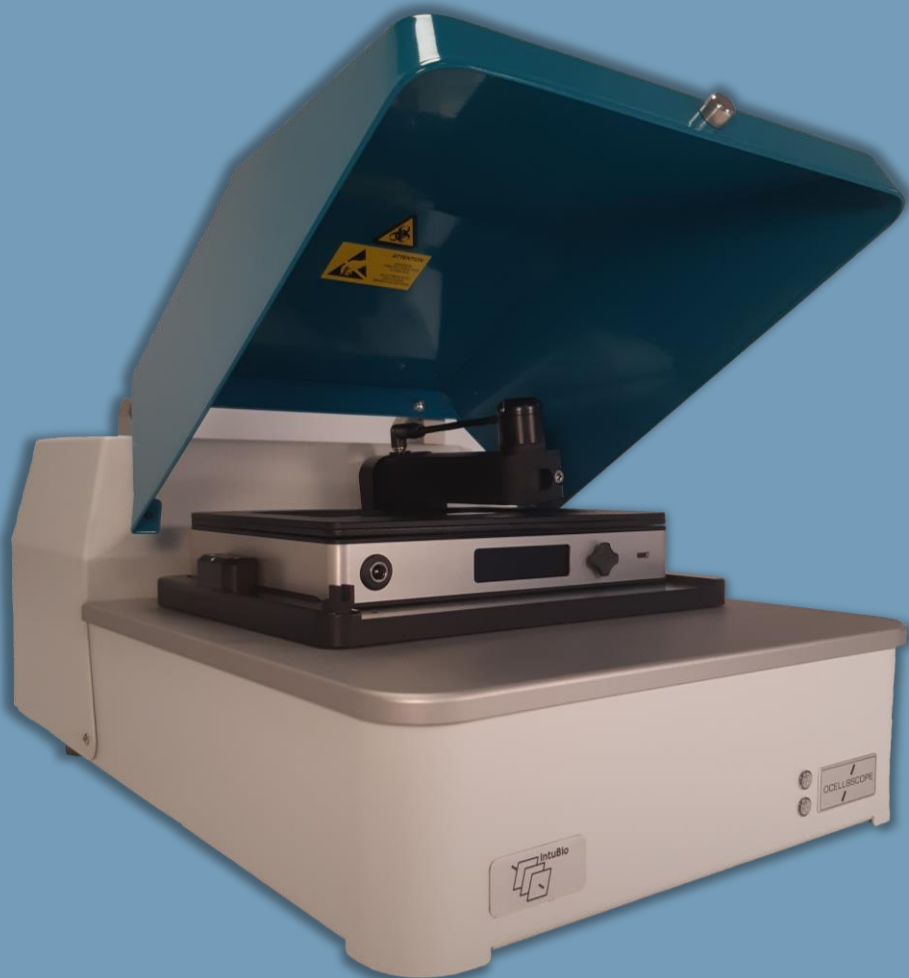
The oCelloScope™ is designed to optimize image quality, data acquisition speed and robustness.

The oCelloScope™ enables detection of microbial life in the micro-scale, even down to single cells, while having a large area scan area.

The system is designed to operate with standard titer plates.

The oCelloScope™ has a small footprint of 450 x 260 x 250 mm (with open lid: H = 550 mm) making it an extremely flexible system and easily fits on benchtops.

The technology of the oCelloScope™ is what enables us to detect and quantify microorganisms in hours rather than days (See IntuGrow for more information).



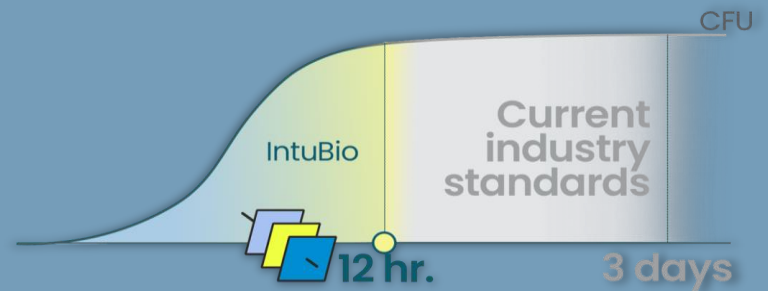
# IntuGrow

## Same Results, Only Faster

### When Speed Matters

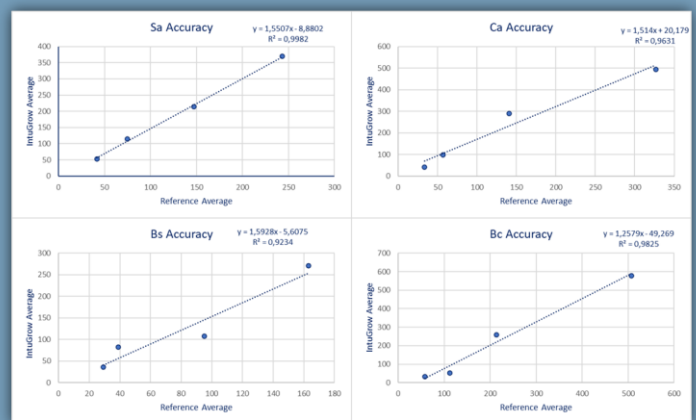
Our Rapid Microbial Method (RMM) called **IntuGrow** provides the results as **CFUs** with analytical times reduced from **days to hours** by allowing detection of colonies down to 8 µm in diameter. The system is based on a scaled-down traditional cultivation with the same incubation temperatures, sample volumes and cultivation media.

With **IntuGrow** up to 12 samples can be analyzed simultaneously.



### Correlation to traditional methods

IntuGrow relies on CFUs detection, making it straightforward to correlate results with traditional methods. The validation of IntuGrow has been successfully conducted with various independent partners, adhering to guidelines such as PDA TR 33.



# IntuGrow Filtration Solution

Employ the proven method of filtration.

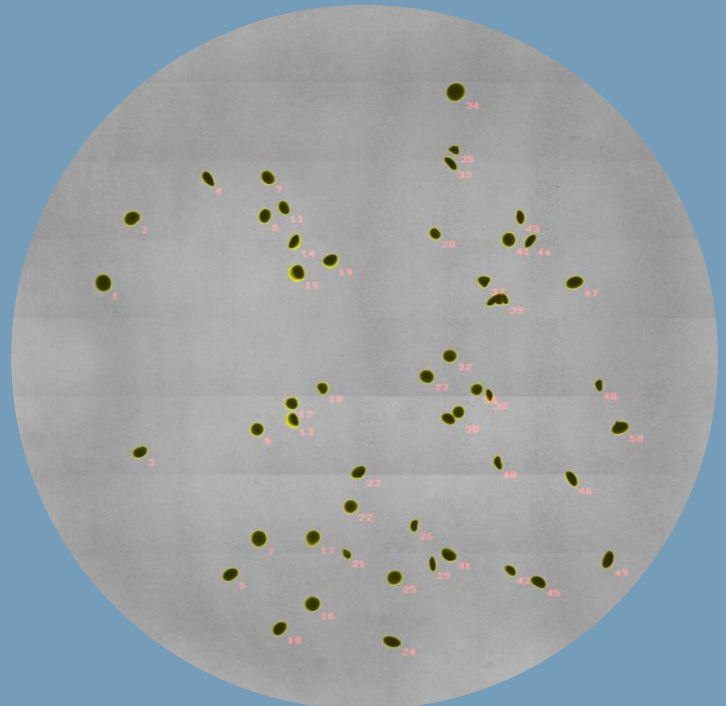
In the realm of microbiological sample testing, the proven method of filtration stands as a cornerstone in ensuring accurate, reliable, and actionable results.

The IntuGrow filtration solution allows you to analyze sample volumes from 1-200 ml ensuring adherence to existing standards.

The IntuGrow Filtration solution has a proven track record from the pharmaceutical industry with successful third-party testing following PDA TR33 and USP 1223.

The method is widely used for rapid bioburden and IPC where time-to-result matters allowing for early reactions to out-of-trend and out-of-spec microbiological results.

IntuGrow filtration solution is ideal as a replacement or a supplement to the classical procedures of membrane filtration following guidelines such as USP 61.



Products in this category:

IB.01.0000

IB.02.0000

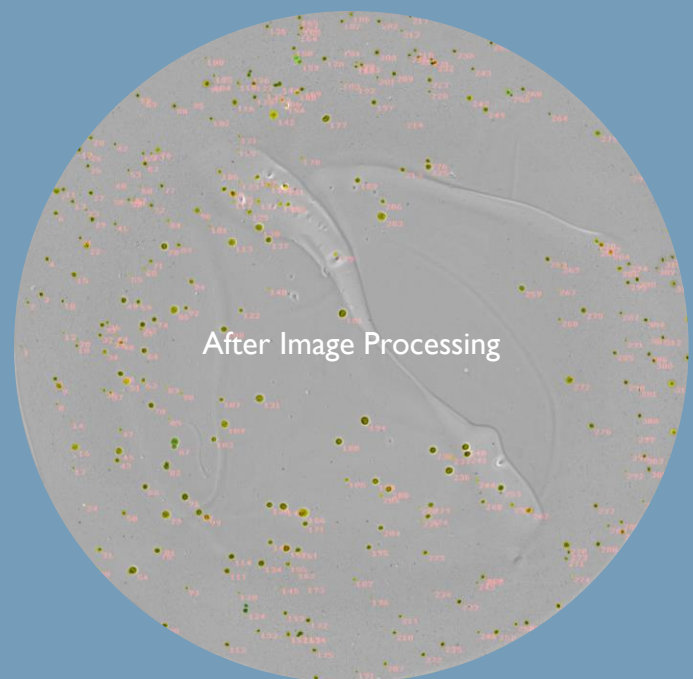
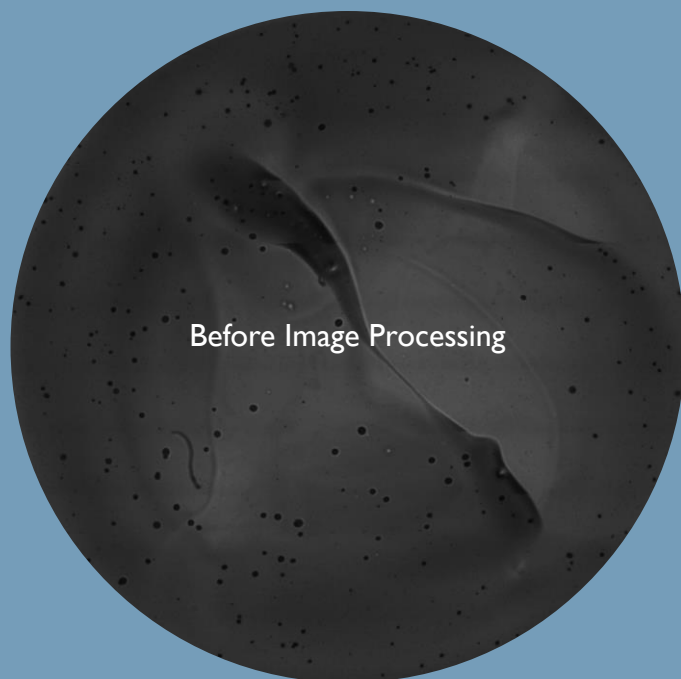
# IntuGrow Nonfilterable Solution

Analyze even the most complex samples.

Every industry has its own problems with microbiological contamination and many sample types are high complex matrices, such as wall paint or bacterial fermentation products.

With IntuGrow even the most complex samples can be analyzed with great reduction in time-to-result. The solution for nonfilterable samples based on spread plating on the proprietary.

Our innovative optical approach allows us to recognize the formation of even the smallest colonies in complex samples matrices.



Products in this category:

IB.03.0000

IB.04.0000

IB.09.0000

IB.10.0000

# The IntuGrow Software

## Designed for ease-of-use.

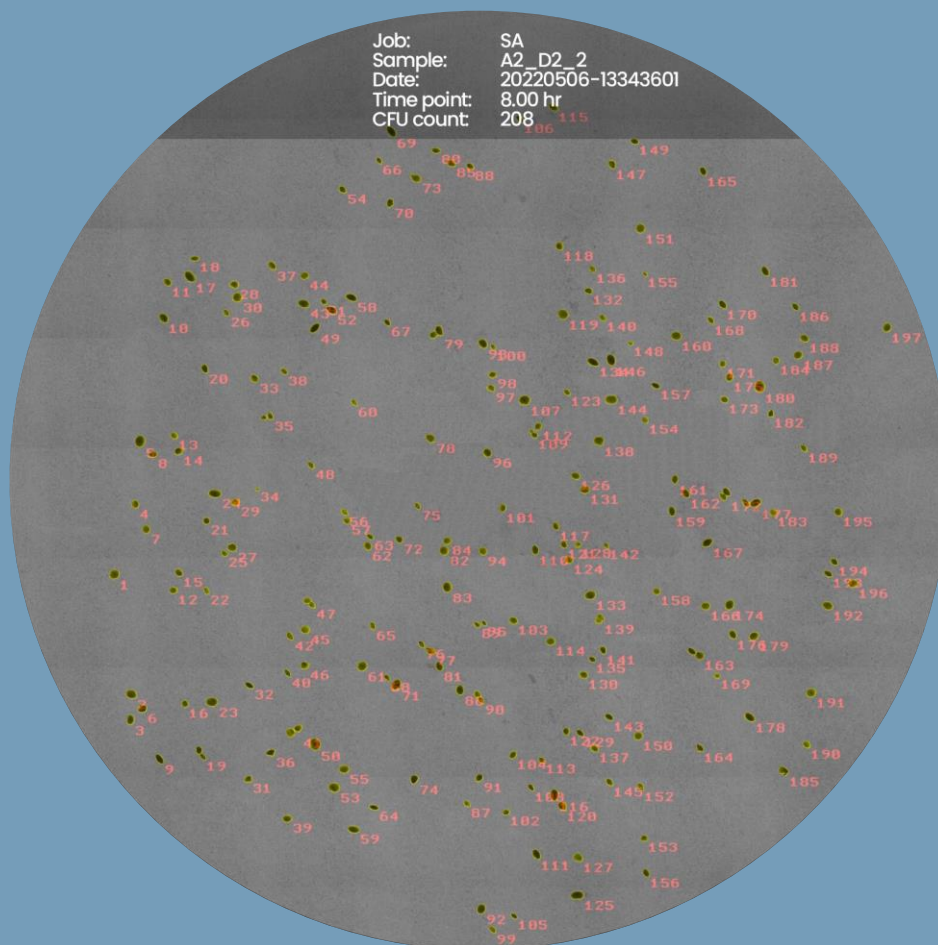
The IntuGrow software is designed to be as easy to use as possible with predefined templates automatically defining all settings. This ensures consistency in the analyses performed.

## Easily Interpreted Data.

Results are reported on-screen after every measurement enabling early warnings when colonies are detected. All results are accessible during and after the measurement for documentation and review.

## Everything in one Image.

All data of every sample is compiled in one master image that tells the entire story of that sample. This gives great transparency of the automatic quantification and can reveal a word of microbial dynamics.



# Applications

Our solutions excel when time matters.

## Rapid Bioburden

Rapid bioburden testing with IntuGrow can provide results as CFU/vol in hours, which allows for quick identification and implementation of corrective actions when out-of-spec or out-of-trend bioburden is detected. Giving important information to consider when trying to find the root cause of the out-of-spec and out-of-trend issues.

## In-Process Control

Rapid in-process control microbiological testing is vital in modern manufacturing, ensuring swift detection and response to microbial threats. In contrast to traditional methods, rapid testing delivers results within hours, facilitating seamless integration with continuous manufacturing processes.

## Food Safety

Rapid microbiological testing enhances overall efficiency in food production and distribution. By quickly identifying microbial threats, manufacturers can implement corrective measures promptly, reducing the likelihood of extensive product recalls and financial losses. This not only protects public health but also upholds the reputation and trustworthiness of food brands.



# IntuGrow

## The Complete Solution

IntuBio provides everything from sample handling to analysis. With our specialized equipment, sample preparation and data acquisition is made effortless.

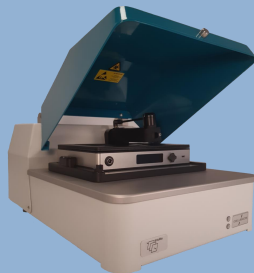
With the dedicated IntuGrow analysis software, the data is continuously presented on-screen with illustrative presentation.

### Sample Handling



With the handling devices, sample preparation is made as easy as possible, whether working with filterable or nonfilterable samples.

### Imaging Technology



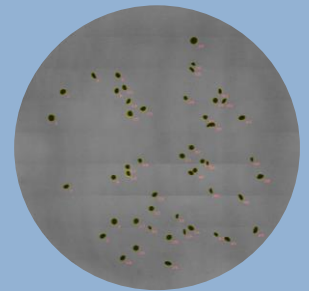
Robust data acquisition platform with up to 12 samples simultaneously analyzed.

### Incubation



Small incubator module working either as an integrated part of the scanning platform or as standalone.

### Analysis



Dedicated analysis software reporting updated results every hour. The software provides results both as numbers and image material to document your findings.

# Products Hardware

## **oCelloScope 2™**

### **Cat. No- I001**

Operation Temperature 15-50°C

Operation Humidity 20-93% RH

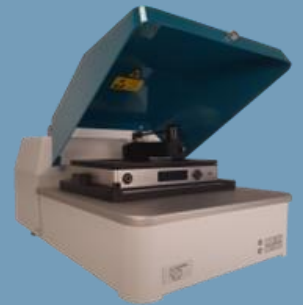
Size and Power

Dimensions (L x W x H): 450 x 260 x 250 mm (with open lid: H = 550 mm).

Weight 9,6 kg.

Power Adapter Input: 100-240 VAC, 50/60 Hz. Output: 24V DC, 2000 mA.

Power Use Idle: 11 W, Active: 20 W.



## **Mini-Incubator**

### **Cat. No- IB.07.0000**

Temperature range: Ambient+3°C - 50°C.

Dimensions (L x W x H): 180 x 33 x 142 mm

Weight; 0.39 kg.

Power use in use: Max. 30 W

Power use idle: 5 W

Built-in for oCelloScope or standalone unit.



## **Filtration Devices**

### **Cat. No- IB.01.0000**

Reusable stainless steel filter house for sample preparation of filterable samples using the IntuGrow filter.

Dimensions (L x W x H): 55 x 28.7 mm

Weight: 0.195 kg.



## **Mini-dish holder accessory**

### **Cat. No- IB.09.0000 or IB.10.0000**

Reusable handling tool used for preparation and storage of the Mini-dishes.  
(6-well version: IB.09.0000, 12-well version: IB10.0000).



## **Dry heater**

### **Cat. No- IB.08.0000**

Assist in handling of agar-based media in close proximity to workstation.

Standard block size: Ø50mm, Ø70mm.

Custom blocks available.



# Products Consumables

## **IntuGrow Filter**

**Cat. No- IB.02.0000**

Sterile individually wrapped filter.

Filter:

Size: Ø12mm. Pore size: 0.45 µm. Material: PTFE. Hydrophilic.

Frame: Ø21mm. Material: PSU.

Pack size: 120 pcs



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## **Mini-Dish 12-well Format**

**Cat. No- IB.03.0000**

Sterile plastic dish.

Material: PS.

Size: Ø21mm



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## **Mini-Dish 6-well Format**

**Cat. No- IB.04.0000**

Sterile plastic dish.

Material: PS.

Size: Ø33mm



# Want to learn more?

Are you Interested in learning more about the solutions IntuBio provides or do you want to discuss microbiology with our experts?

## **Get in contact**

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