



**Stratus Miniature Plate Reader
Canopy w/ Labrador Premium
CoCulture Plate System**

Stratus (R2600)



- Single Mode: Absorbance/OD, Kinetic
 - Single Wavelength or
 - Choose your wavelength 600nm, 496nm, 465nm, 650nm, or custom
 - Operates within most environments
 - O₂ Concentration <0-21%
 - Heat (up to 50C)
 - Shaking w/ adapter
-
- Anaerobic Conditions

Authorised distributor

In Australia:

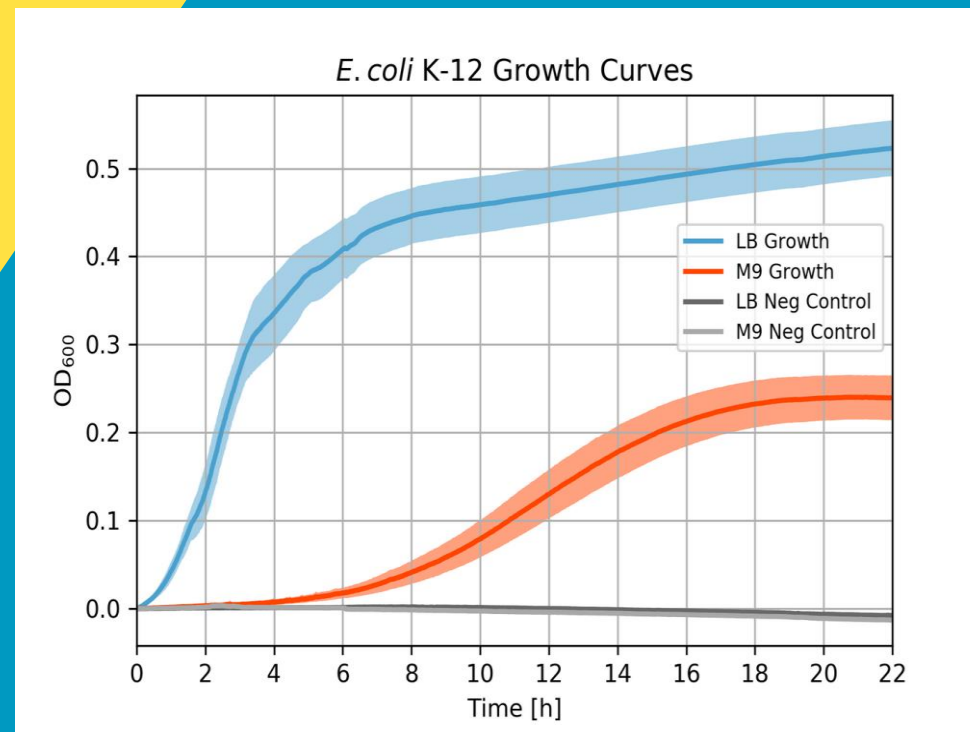
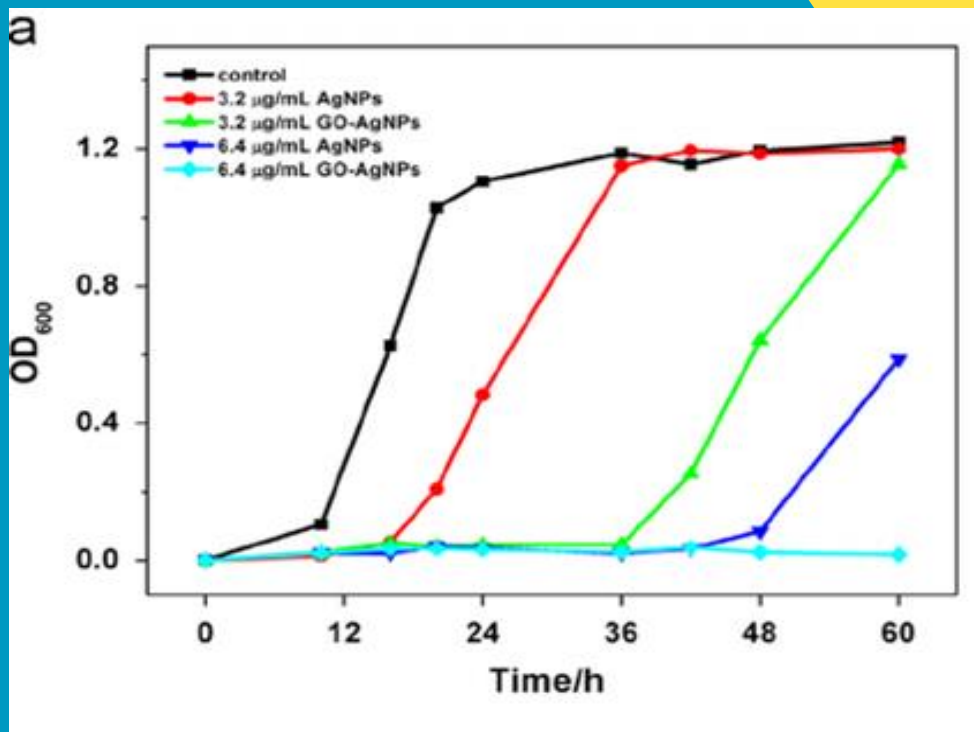
For customer service, call 1300-735-292
To email an order, ordersanz@thermofisher.com
To order online: thermofisher.com

In New Zealand:

For customer service, call 0800-933-966
To email an order, ordersanz@thermofisher.com
To order online: thermofisher.com

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SCIENTIFIC

Why the Stratus?



Researchers wanted to have high-resolution growth curves with minimal user interactions, and collect them in small environments.

Stratus Allows Measurements Where Your Samples Grow



Locations of Use:

- Anaerobic Chamber
- Heated Incubator
 - Refrigerators
 - CO2 Chambers
- Small benchtops
- Anywhere else!

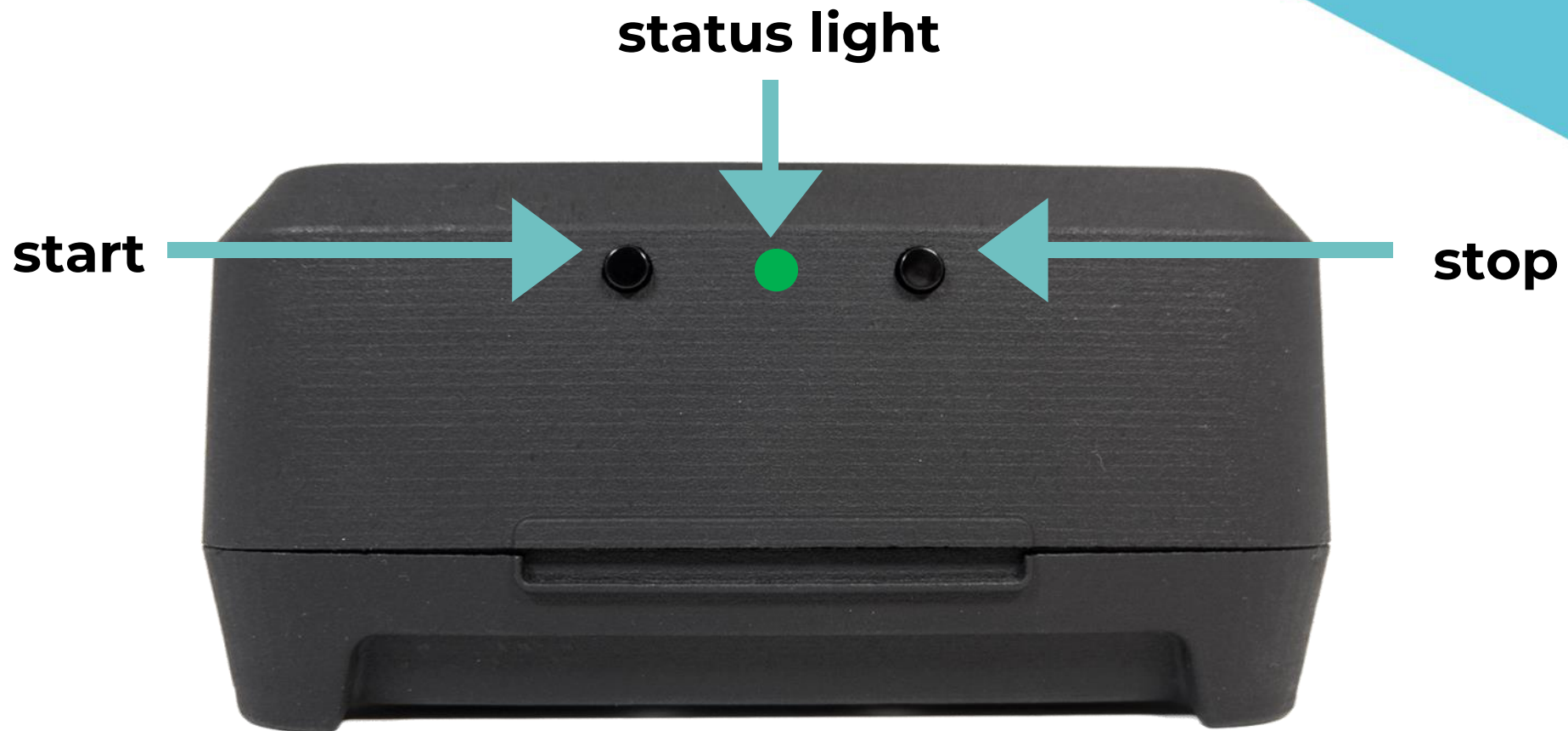
Applications:

- Microbial Growth Curves
- Minimum Inhibitory Concentrations
 - Phage Screening



Stratus Operation

The Stratus can be operated by the physical buttons or from a computer.



Stratus Operation

The Stratus can be powered by a wall outlet, computer, or battery pack. It is not necessary to be connected to a computer to run the Stratus. Access your data from the microSD card or from the computer when your Stratus is plugged in.

power
USB-C



memory
microSD

Stratus Operation - Power

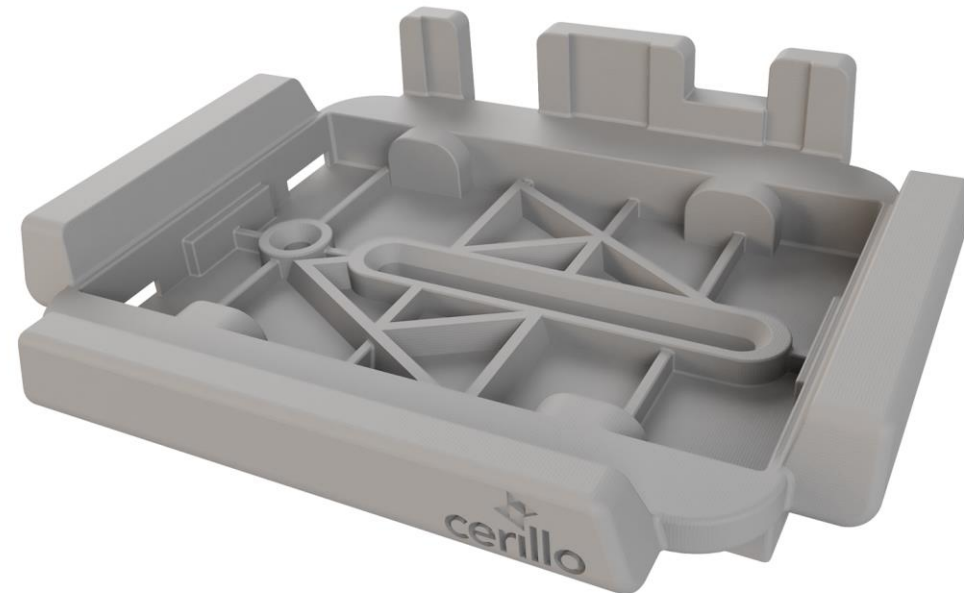
The Stratus needs to be have a power source. Power plug will be provided based on customer location.



Stratus Accessories

Universal Shaking Adapter (R2APT)

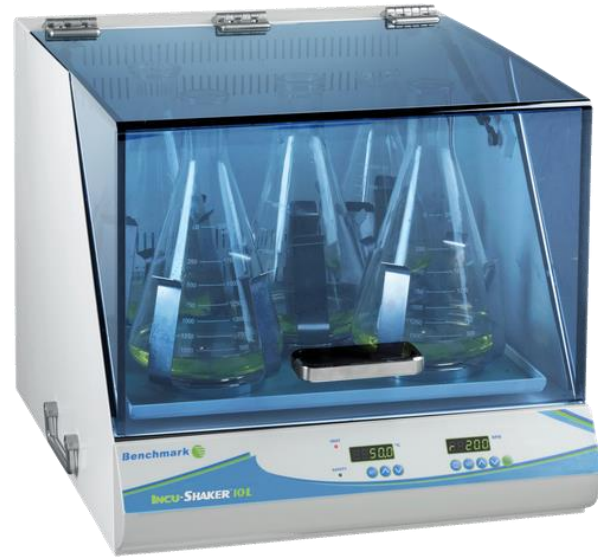
- Allows the Stratus to be securely attached to most shaking platforms
- Attaches to shakers with screws, magnets, friction, or a mechanical fit to single plate shakers.



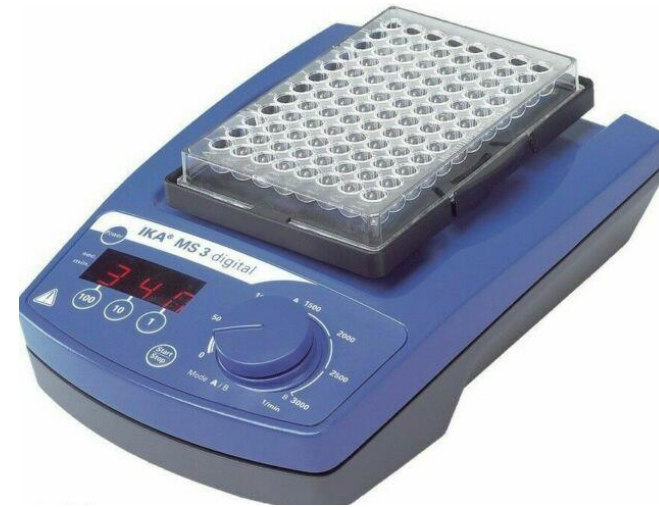
Universal Shaking Adapter : uses



Magnetic Attachment



Screw Attachment



Mechanical Fit



Cerillo Labrador

Cerillo Labrador Software – free & wireless versions

software provided by Cerillo to operate the Stratus, access data, and access system settings

<https://cerillo.bio/software/>

From: Cerillo Support <support@cerillo.bio>
Date: Wednesday, February 1, 2023 at 3:07 PM
To: eric@cerillo.bio <eric@cerillo.bio>
Subject: cerillo invited you to cerillo labrador

[cerillo labrador](#)

Hello from cerillo!

cerillo with "Eric's Org" has invited you to use cerillo labrador to collaborate with them. You can immediately start using the premium version of cerillo labrador after you download the software with this button:

[Download Software](#)

Once you've completed this step, all that's left is for you to create

Stratus Customer Feedback

Saves Space

Real Time Wireless

More Data
Collection

Affordable

Reliable in
anaerobic
conditions

Flexibility



Canopy with Labrador Premium Catalog # CAN-1000KIT

Cerillo Canopy with Labrador Premium



cerillo research platform



Cerillo's research platform is a comprehensive data collection and analytics system that enables scientists to study the growth curve of microorganisms like bacteria, yeast, and fungi in real-time providing unprecedented views into the microbiome.

Cerillo Canopy with Labrador Premium

general

compatible products	stratus microplate reader
dimensions	113.2 X 66.1 X 47.8mm (LWH)
weight	0.17 kg
power supply	power = 3A, voltage = 5.1V
input	USB-C USB-C 5.1 V DC, 3A

communication

wired communication	USB 2.0
wireless communication range	15 m

cerillo labrador premium software

operating system	Windows: 10, 11 MacOS: 12 (Monterey)
data export format	CSV



canopy

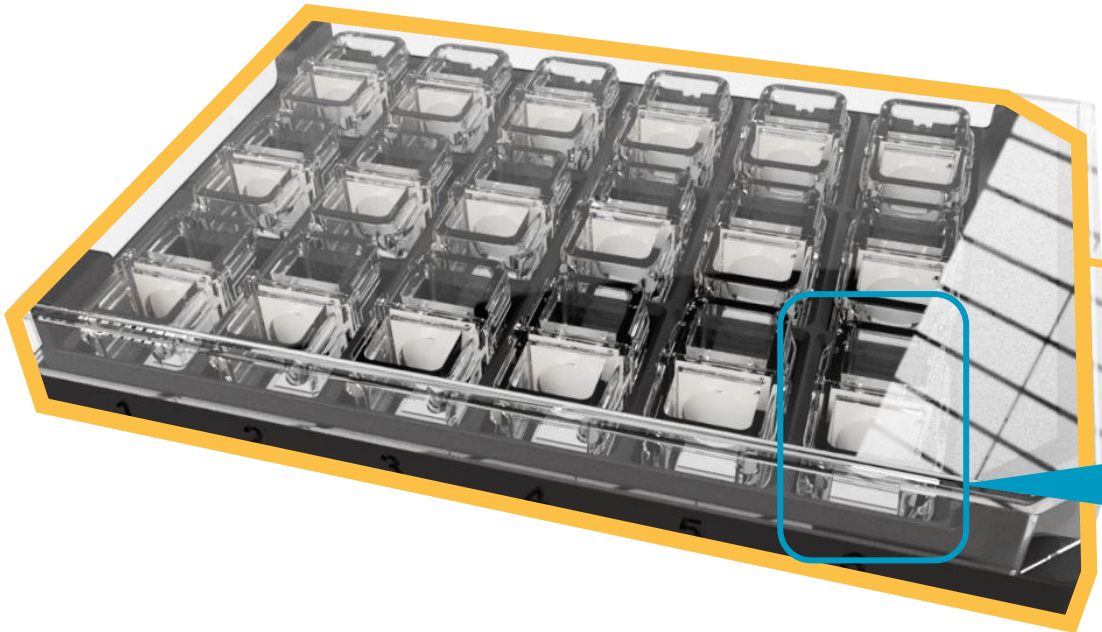
technical specifications sheet

The canopy is RoHS, REACH and FCC compliant, CE certified, made in the USA, and has a two-year warranty.



CoCulture Plate System (CCU-1000)

Co-Culture Duet System (CCU-1000)



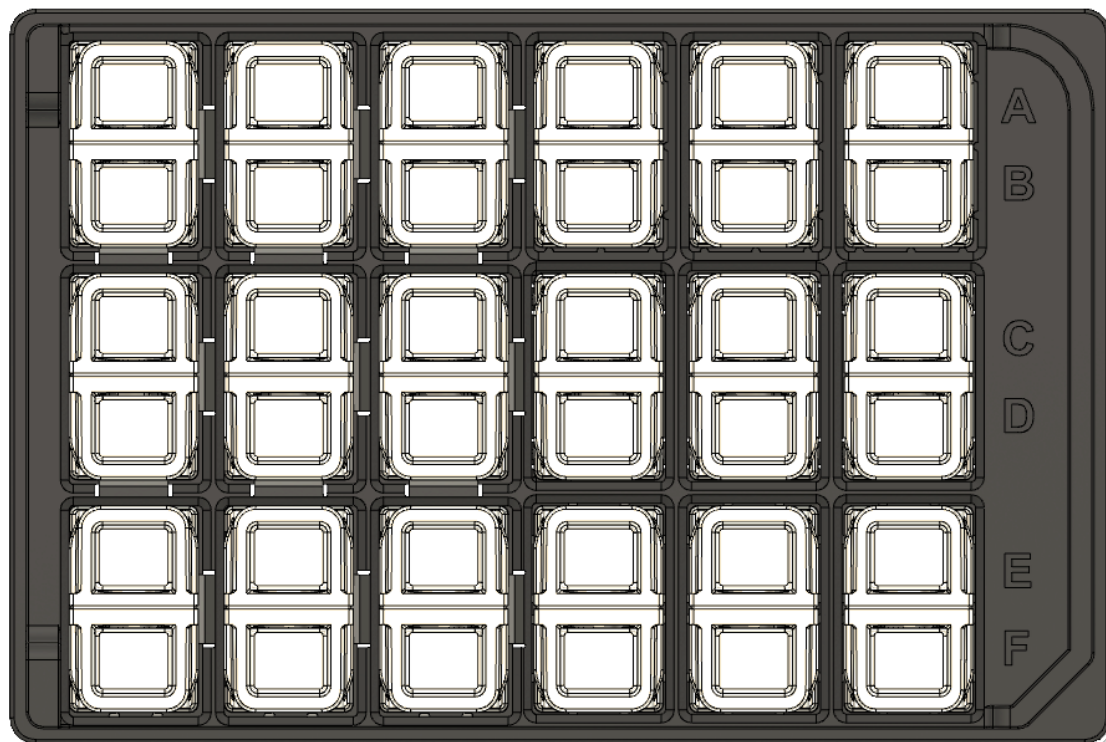
modular & configurable

semipermeable membrane divider

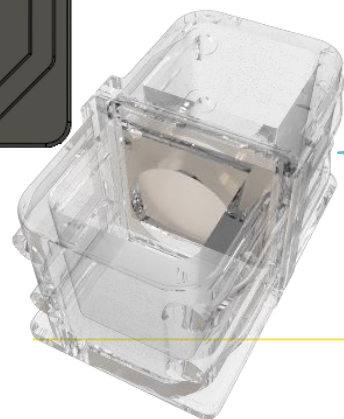
measurable in standard plate readers

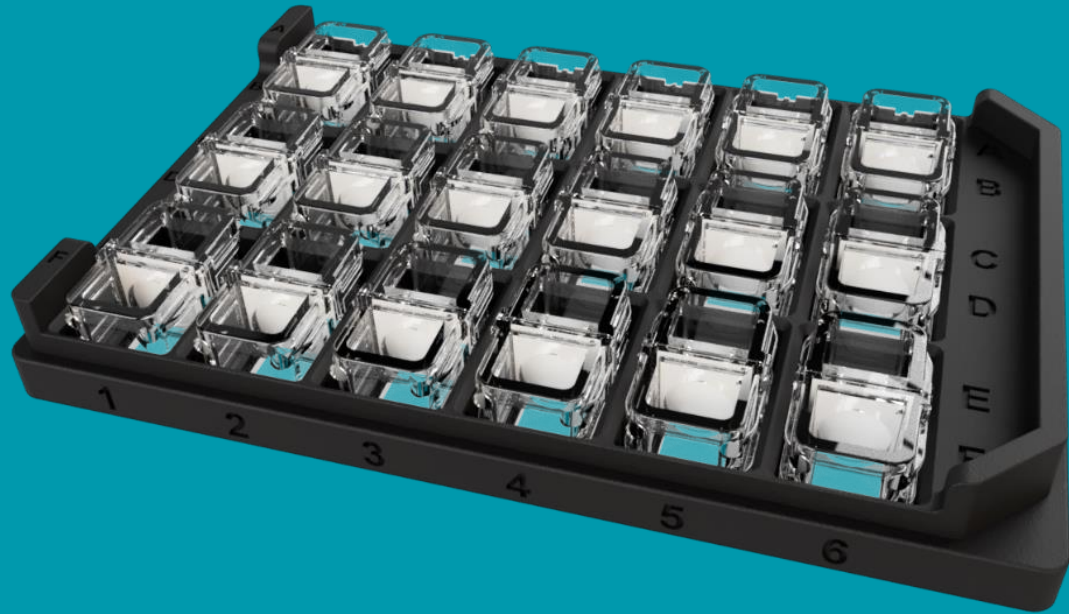


Co-Culture Duet System (CCU-1000)



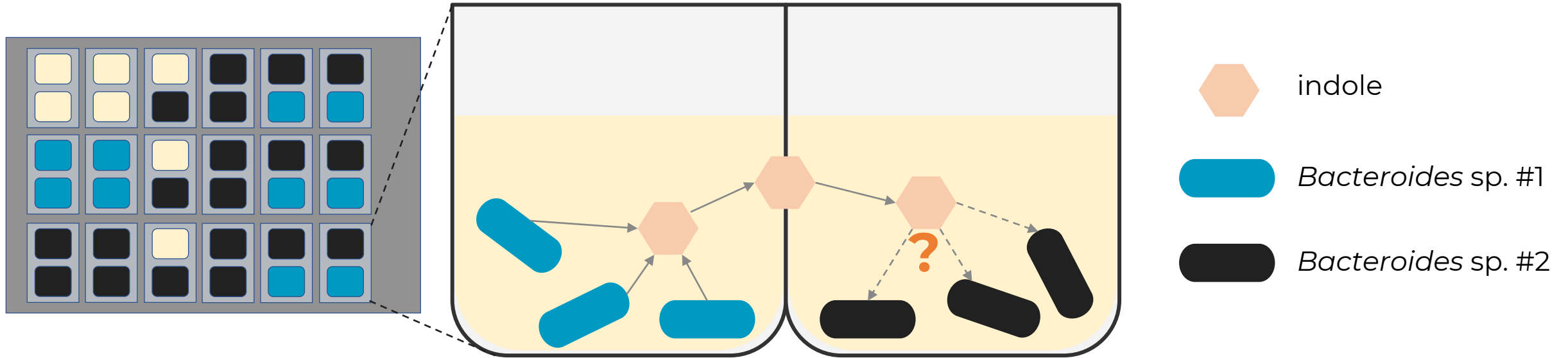
- 18 duets per plate
- 0.2 μm size exclusion filter
- 800 μL volume per well
- EtO Sterilized
- duets are removable





Cerillo's Co-Culture Applications

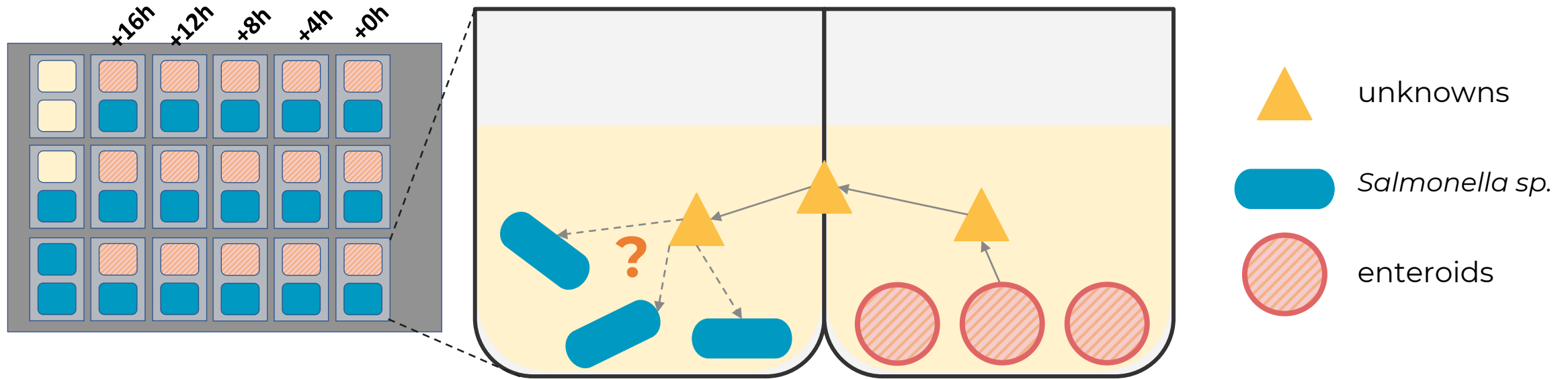
Application 1: Bacterial Competition/Synergy



question: How does the growth of *Bacteroides* sp. #2 change in the presence of *Bacteroides* sp. #1, which produces indoles?

method: measure continuous OD600 of each well in the co-culture plate.

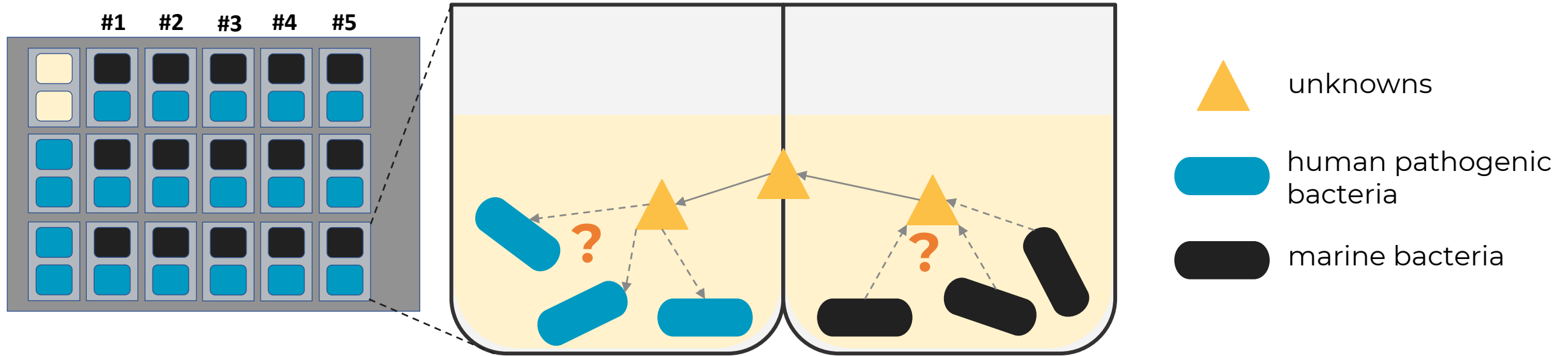
Application 2: Cells' Influence on Pathogen



question: How does the circadian rhythm of cultured enteroids affect the growth of *Salmonella*?

method: Plate enteroids in a matrix at different time points post-synchronization. Monitor OD and fluorescence output of *Salmonella* to determine growth kinetics.

Application 3: Bugs as Drugs



question: In a given library of marine bacteria, are there any which produce an antimicrobial effect on human pathogenic bacteria?

method: Monitor growth kinetics by measuring OD of both wells over time.

