



Japan Display Inc.

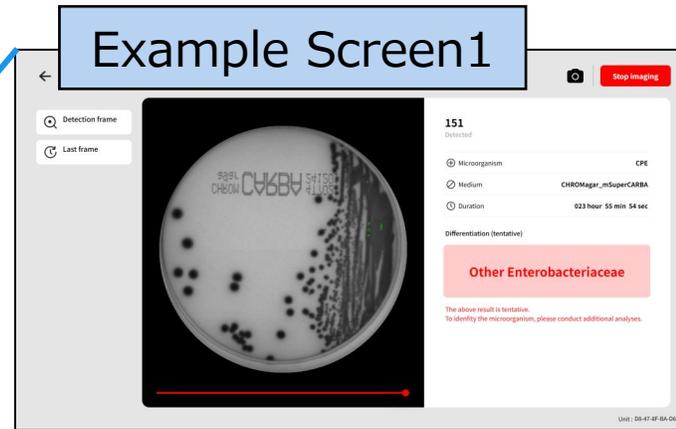
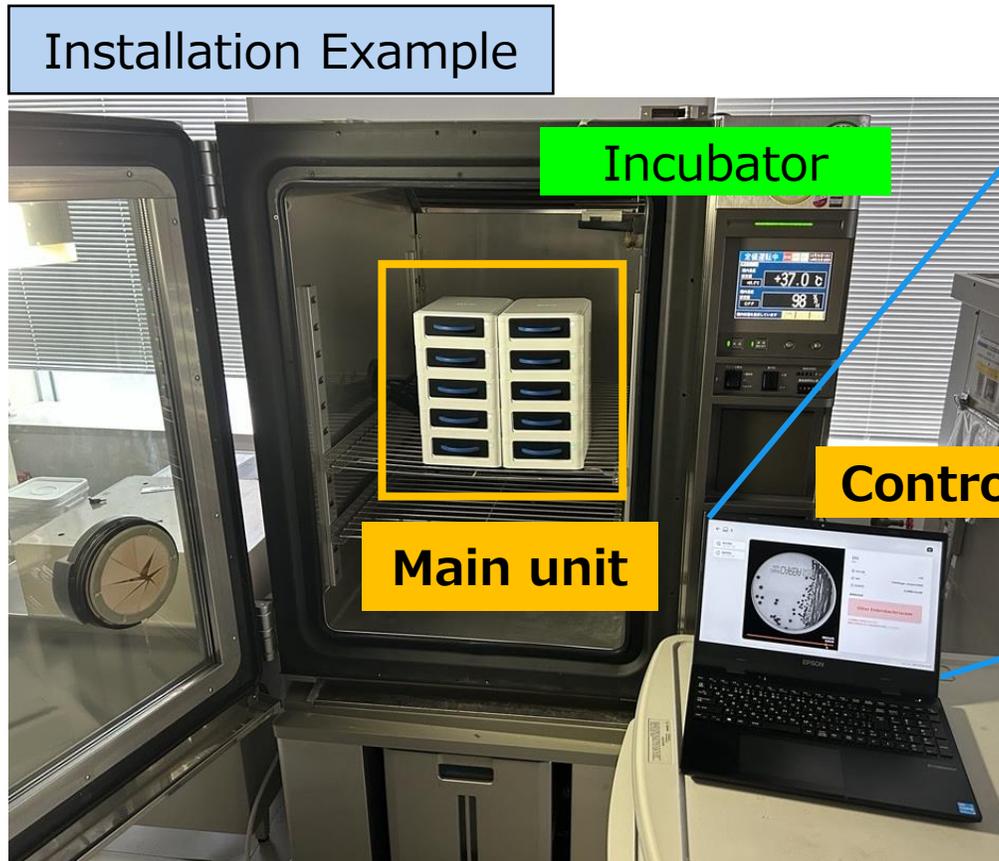
“Visualizing Changes” in Culture Growth
will continue monitoring for you

SOLTIMO

~Operation Overview Guide~

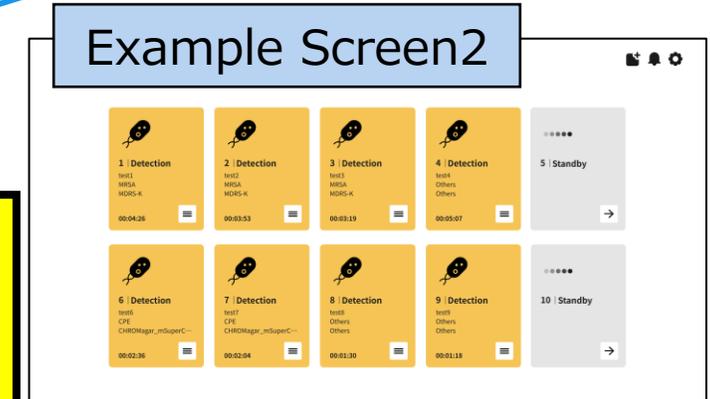
SOLTIMO is a system that **automatically monitors** culture growth on solid media.

By placing the sample applied Petri dish into the device for incubation, it can detect subtle changes throughout the culture growth process.



Real time monitoring of culture process

Centralized management of multiple units



SOLTIMO operates by placing Petri dishes (samples) into the main unit and monitoring them through a control application on a connected PC.

■ Culture Observation Workflow

1. Insert the Petri dish into the main unit.
2. Use the control application to start measurement.

– Incubation –

3. Monitor the progress of the culture.
4. Stop the measurement at any desired timing.

Note: Measurement data is saved automatically after stopping.

5. Remove the Petri dish from the main unit.

Note:

This document is a simplified explanatory material intended to provide an overview of the product and its general usage.

Upon actual purchase, a detailed instruction manual will be provided.

Progress at a Glance

1 | 検出
test1
MRSA
MDRS-K
111:11:11

Elapsed Time

Control App ~Main Screen~

ダッシュボード 測定履歴

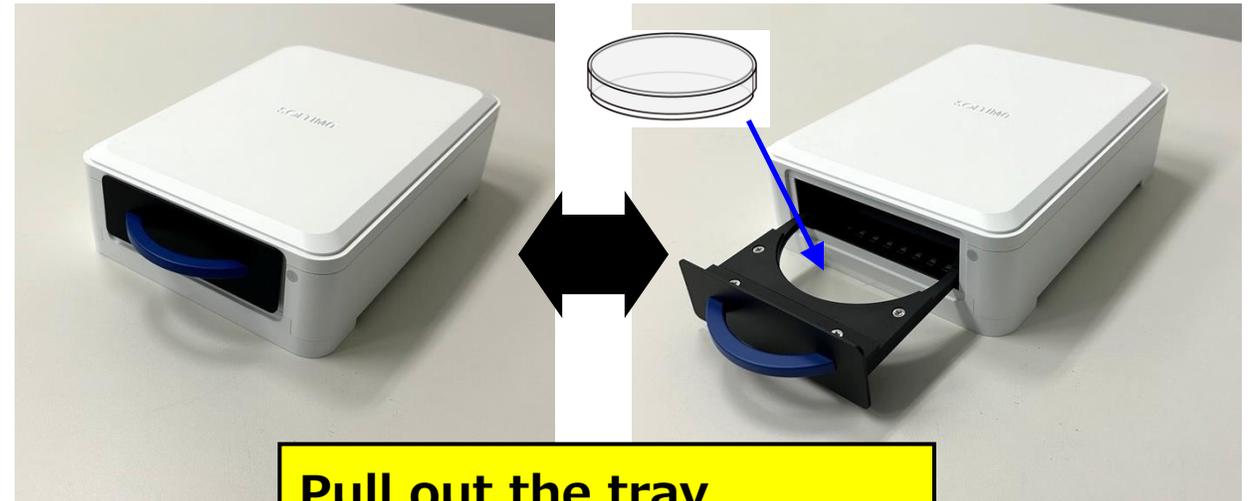
1 検出 test1 MRSA MDRS-K 00:05:00	2 検出 test2 CPE CHROMagar_mSuperC... 00:04:29	3 待機中	4 待機中	5
6 検出 sample1 Others Others 00:03:54	7 検出 sample2 Others Others 00:03:20	8 待機中	9 待機中	10

Running Standby (Inactive) Not Connected

Control up to 10 units with a single PC

1. Insert the Petri dish (sample) into the main unit.

Pull out the tray from the main unit inside the incubator and place a Petri dish with the sample applied to the solid media.

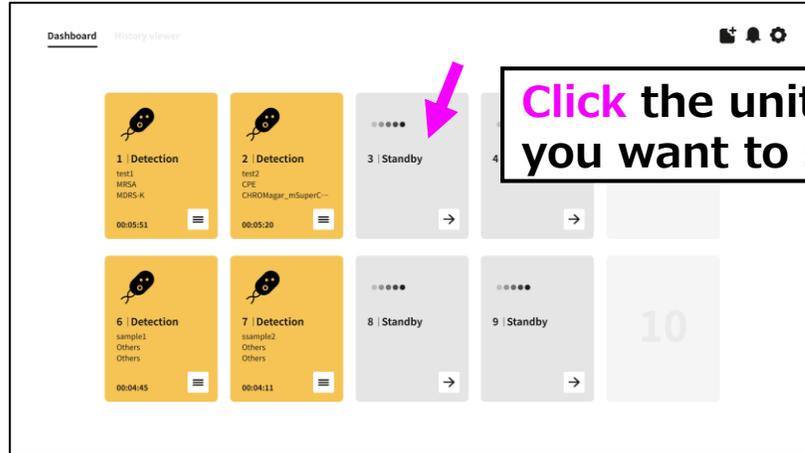


**Pull out the tray
and place the Petri dish.**

2. Use the Control Application to Start Measurement - Example screens -

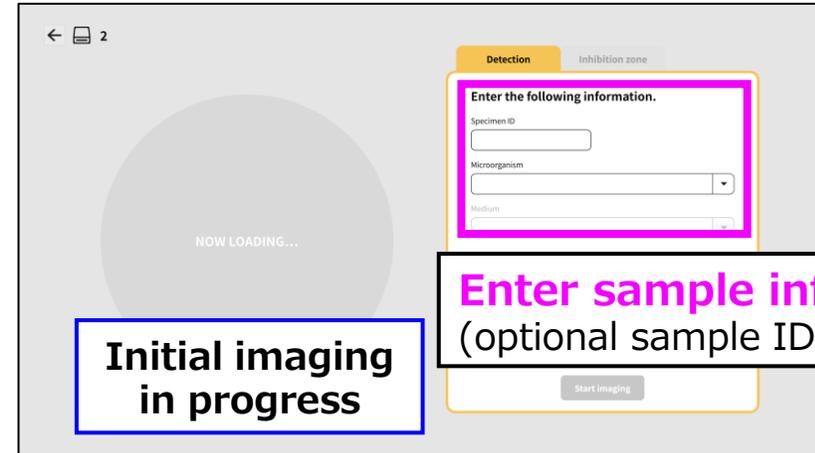
①

~Select a Unit to Run~



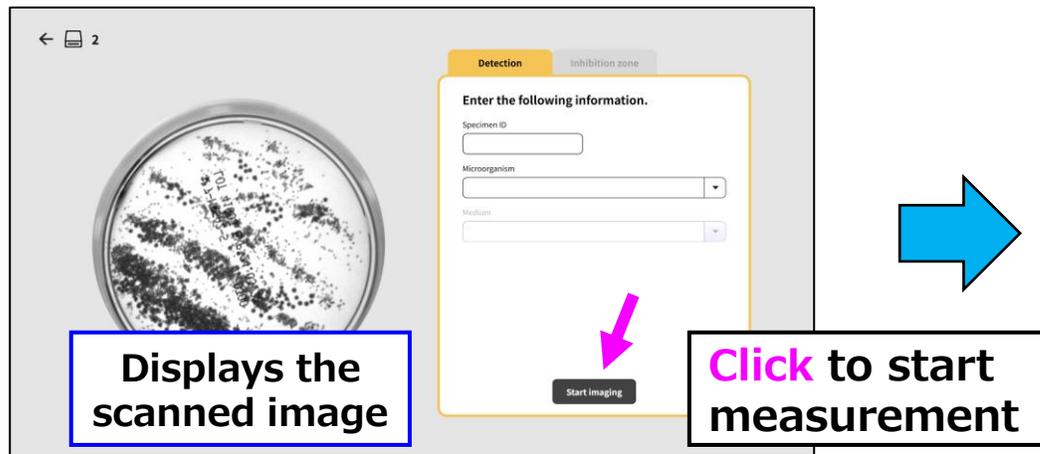
②

~Enter Sample Information~



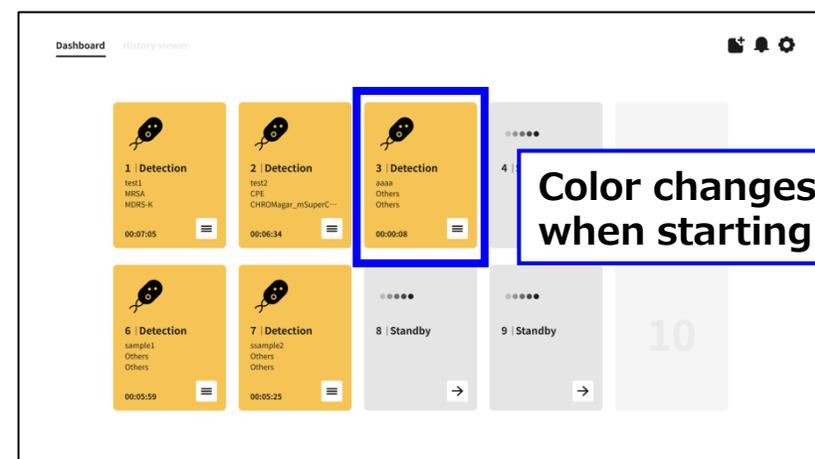
③

~Start Measurement~



④

~Check the Status~



3. Monitor the Progress of the Culture - Example screens -

- Automatically records culture progress as time-lapse data
- Status can be monitored during incubation.



Main Screen

Click the number to view the culture status

Card	Status	Time
1	Detection	00:07:05
2	Detection	00:06:34
3	Detection	00:00:08
4	Standby	
5	Standby	
6	Detection	00:05:59
7	Detection	00:05:25
8	Standby	
9	Standby	
10	Standby	

Detail Screen

151 Detected

Microorganism: CPE

Medium: CHROMagar_mSuperCARBA

Duration: 023 hour 55 min 54 sec

Differentiation (tentative): Other Enterobacteriaceae

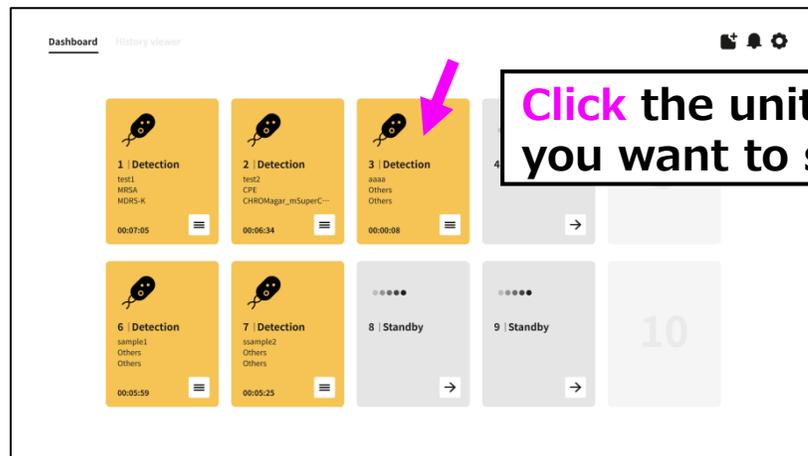
4. Stop the Measurement at Any Desired Timing

- Example screens -



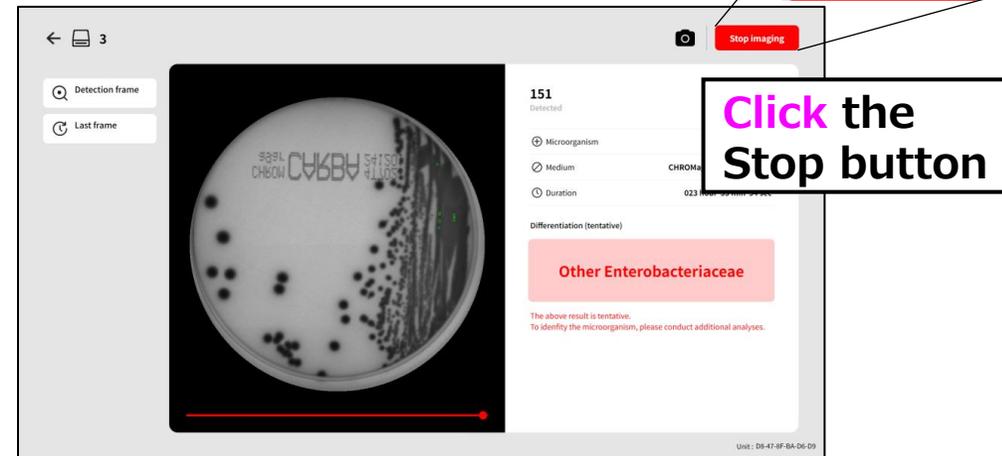
1

~Select a Unit to Stop~



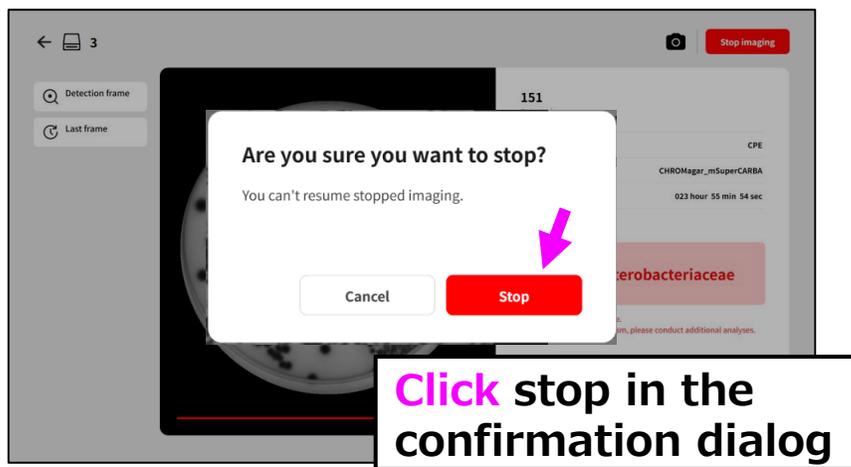
2

~Stop Measurement~



3

~Confirm the Stop~



4

~Check the Status~

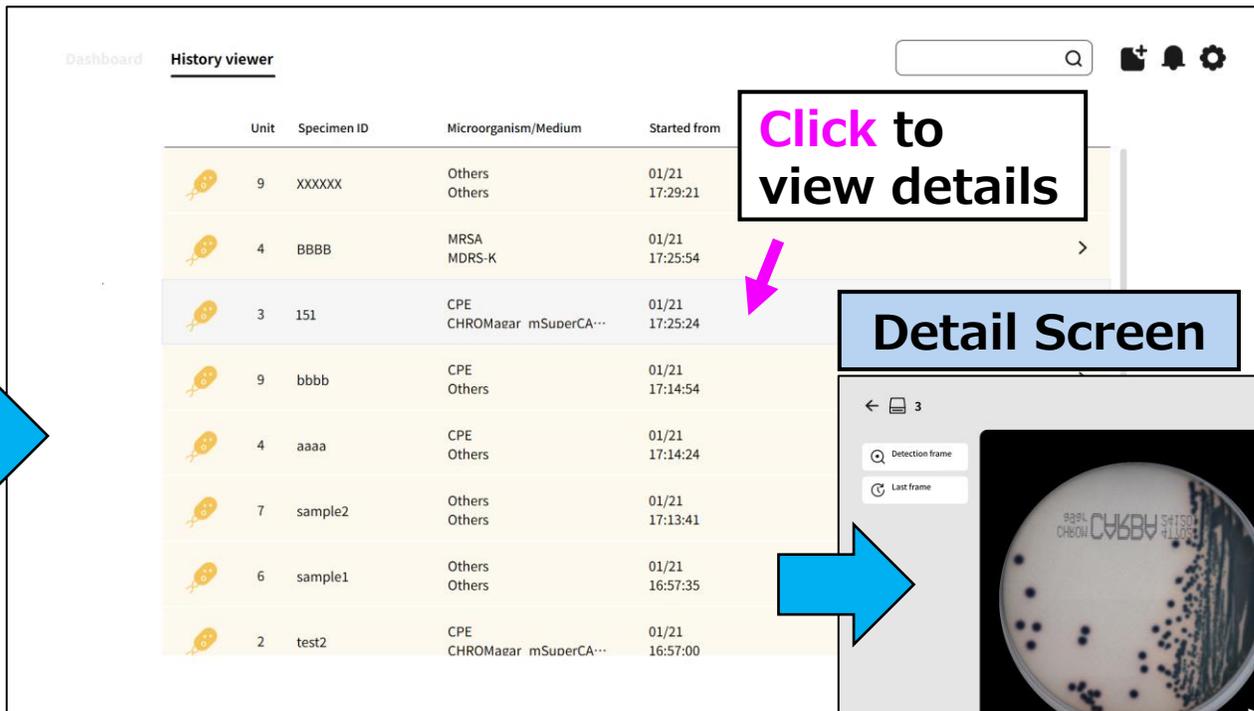
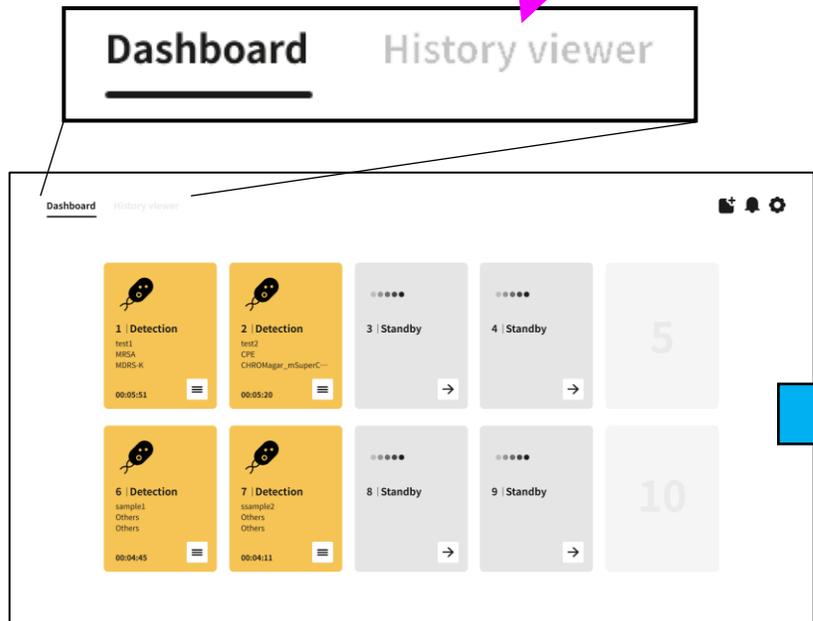


You can review past measurement results.

Main Screen

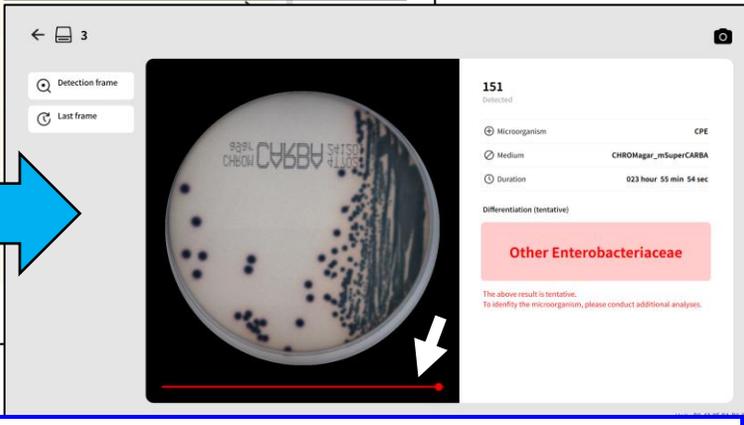
Click History Viewer

History Viewer



Click to view details

Detail Screen



As in incubation monitoring, scroll to view the status at any selected time

Note:
The available review period depends on the PC's storage capacity.

• [Initial set up] Unit and PC Connection

■ Each unit connects using 2 cables: one USB cable and one Ethernet cable

- USB cable: for power supply
- Ethernet cable: for communication (connection to PC)

■ Use a USB hub and an Ethernet hub when connecting multiple units

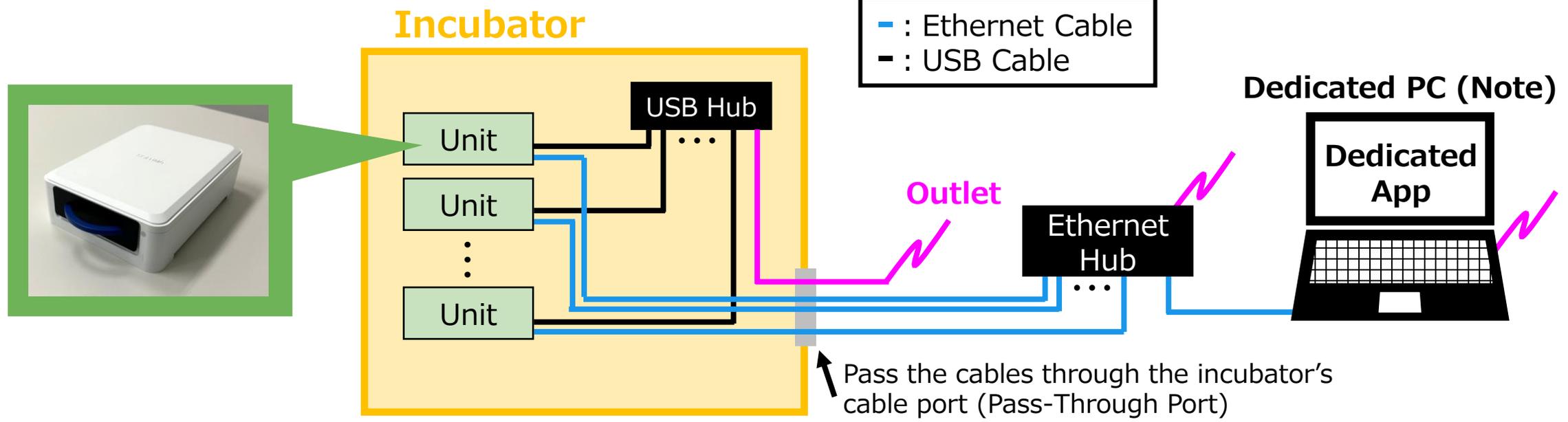
■ Up to 10 units can be controlled by one PC

Rear side of the Unit



USB Cable
Ethernet Cable

Connection Diagram



Specification	
Size	W160mm x D240mm x H64mm
Weight	1.05 kg
Power supply	USB 5V, 1.0A
Supported plates	Up to Φ 90 mm Petri dishes
Number of measurable plates	1 plate / unit
Discs detectable for inhibition zone measurement	Up to 7 discs
Operating Environment	5–40 °C No condensation *1
Simultaneous connections	Up to 10 units can be connected to a single PC *2
Control App Supported Languages	Japanese / English
Accessories	USB cable, Ethernet cable *3

*1 The unit is intended to be installed inside an incubator.

*2 The PC and the unit are connected via USB and Ethernet cables. When connecting multiple units, a USB hub and an Ethernet hub are also required.

*3 A dedicated control PC (sold separately) is required. When connecting multiple units, a USB hub and an Ethernet hub are also necessary.

For any other questions regarding **SOLTIMO**,
please feel free to contact us.

~Contact us here (Link)~


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