Stratus® Quick-Start Guide

Included in this shipment:

Stratus

MicroSD Card

USB Cable

Power Adapter

Step 1: Upon Receipt
Carefully remove packing materials and retain them for future shipment or storage of the unit. Confirm receipt of all components and device. Examine the unit carefully for any damage incurred during transit. The microSD card should already be installed in the Stratus.

Step 2: Downloading the software and connecting the device
Download the Cerillo Labrador software (v2.1.0 or higher) onto your computer at cerillo.bio/software. Use the provided USB cord to connect your Stratus to your computer and confirm communication between Labrador and your Stratus.
Connecting wirelessly: Connect Canopy to your computer and power your Stratus (Step 6). Follow instructions on the Canopy Quick Start Guide to set up and confirm communication between Labrador, Canopy, and your Stratus.

Step 3: Experimental setup
Set the measurement interval in Labrador by clicking on your device and then Settings (gear icon in the top-right corner of the screen). Formatting your plate layout/data is easiest after running your experiment. Place your Stratus where you'd like to measure. This is anywhere your samples will be happy— in an incubator, anaerobic chamber, benchtop, hood, etc. See detailed specs in your User Manual.

Step 4: Power the device
Use the USB cable provided to plug your Stratus into the power adapter and a standard wall outlet, a battery pack, or a computer.

Step 5: Allow for equilibration
The Stratus should remain at a constant temperature throughout the experiment, especially during calibration. Equilibrate your Stratus to new environmental conditions, connected to power, for 120 minutes. If possible, let the plate equilibrate as well.

Step 6: Seal your plate
Measurements can be taken with or without a plate lid or using a transparent, breathable membrane. Membranes, such as Breathe-Easy, are most effective at preventing measurement errors caused by condensation or evaporation.
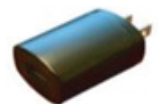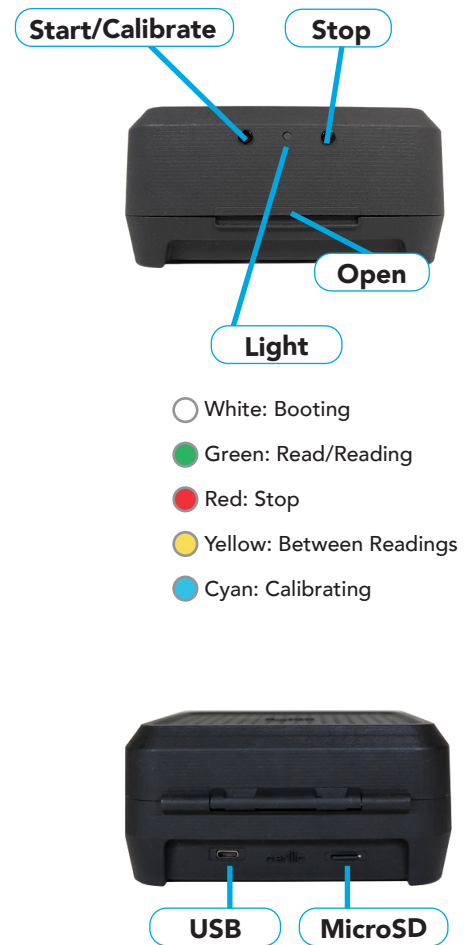
Step 7: Go! (See reverse side)

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Measurements:

Starting an experiment: Insert your experimental plate into your equilibrated Stratus, then press the start button (left). The status light will briefly illuminate green then cyan to indicate the auto-calibration. The Stratus will automatically begin taking measurements after calibration.

Ending an experiment: To stop a reading in progress, press the stop (right) button until the status light turns red.

Changing experimental settings: To change the measurement interval, connect your device to the computer, open Cerillo Labrador, click on your device, and open the settings window to set up your device by clicking on the gear icon. You can adjust your device name, time, default measurement interval. The Stratus will then recall this custom interval, even when unplugged and plugged into a wall outlet or battery srce.

Start/Calibrate Stop

Open

Light

○ White: Booting

● Green: Read/Reading

● Red: Stop

● Yellow: Between Readings

● Cyan: Calibrating

USB MicroSD

Accessing and storing data

Data collected is automatically stored on the microSD card. The Stratus must be powered off when the microSD card is inserted or removed to avoid corrupting the card, rendering it incapable of recording future data. Data stored on the microSD card can be accessed by directly connecting the Stratus to your computer using the provided USB cable, any commercially available microSD card adapter, or wireless transfer through Cerillo's Canopy.

**Need help setting up your device? Visit our Help Center
at www.cerillo.bio/help-center or scan the adjacent QR code.**

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