



# **LABTWIN FOR MICROBIOLOGY / PROKARYOTIC CULTURE**



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FIELDS OF APPLICATION: E.COLI, BACTEROIDES, SALMONELLA SPP,  
WILD TYPES AND MUTANTS

Documenting colony growth at the correct harvest time and temperature, analyzing growth curves, and optimizing protocols for equipment and material use.

## MARIA-ISABEL ROJAS

Maria-Isabel is a 5th year Molecular Biology PhD student at San Diego State University and University of California San Diego. Her research focuses on understanding how viruses that infect bacteria, phages for short, persist in or escape from their bacterial host. Her work combines tools of molecular microbiology, genomics, biochemistry, and microbial ecology. Twice a year, she organizes the student innovation workshop for the Viral Information Institute.

Maria-Isabel is one of our ambassadors. Twenty Nine is LabTwin's exclusive co-creator ambassador program. We invite rotating cohorts of 29 power users to join us in creating valuable tools for the smart labs of the future. You can learn more the program and apply [here](#).

## IS EQUIPMENT PREPARATION DELAYING YOU FROM READING YOUR RESULTS?

Scientists often set reminders to harvest and analyze their overnight cultures but forget to warm up the absorbance reader. Absorbance measured at the wrong temperature or later than the optimal harvest time yields incorrect readings that disrupt reproducibility and transparency.



"I had to wait for the plate reader to warm up before I performed the absorbance reading of my overnight culture - this resulted in incorrect readings."

**Maria-Isabel Rojas**  
Molecular biology PhD student, San Diego State University / University of California San Diego

## A-HA MOMENT

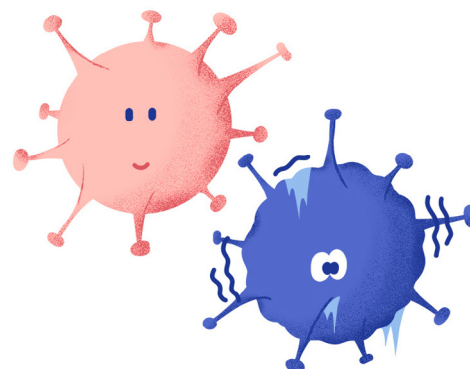
Culture growth should be analyzed at the right temperature and time. Maria-Isabel, a LabTwin user, realized that the best way to consistently adhere to her protocol was to set a series of specific reminders related to each step. She now uses LabTwin to create voice-activated reminders that tell her to warm up the absorbance reader 30 min before she performs the actual reading.

## VOICE-ACTIVATED REMINDERS

LabTwin can set multiple reminders for different steps in the same experiment and help scientists remember each essential step, no matter how small. Contact us to **book a free information session**.

## KEY TAKEAWAYS

- > LabTwin's reminders are a reliable feature to help scientists adhere to protocols
- > Scientists can label, save and repeat reminders simply by talking



“My plate reader is always pre-warmed on time and provides me with accurate results during the correct harvest time, it feels like I'm already working in the lab of the future.”

### **Maria-Isabel Rojas**

Molecular biology PhD student, San Diego State University / University of California San Diego