



LABTWIN FOR ANTIMICROBIAL RESISTANCE



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FIELDS OF APPLICATION: MRSA, E.COLI, ISOLATES FROM CLINICAL SAMPLES, AMR

Record findings and analyze culture well plates, hands-free and **in real time**, to determine the minimum inhibitory concentrations (MIC) for each sample, decide on the right antibiotic to be used and streamline your antimicrobial resistance (AMR) quest.

JAVIER MORENO

Javier is a 2nd year Microbiology PhD student at the Barcelona Institute for Global Health - Universitat de Barcelona. His research focuses on preclinical research and discovery of new antimicrobials to help fight Antimicrobial Resistance.

Javier 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 about the program and apply [here](#).

HOW CAN YOUR EYES BE IN TWO PLACES AT THE SAME TIME?

Scientists often manually analyze culture well plates to speed up sample processing. However, it can be very difficult to simultaneously record data and analyze multiple wells. Therefore, this process is prone to human error. To define the outcome of each well, Javier needs to hold the plate above his head, observe and memorize each location and outcome, tilt his head down to write down his findings, and look up again to repeat the process with the next well.



"I risked losing track of samples and confusing the results when trying to read and annotate findings at the same time."

Javier Moreno

Microbiology PhD student, Barcelona Institute for Global Health - Universitat de Barcelona

A-HA MOMENT

Javier cannot have his eyes in two places at the same time, hence it is very challenging to manually annotate his findings while he is in the process of analyzing his culture well plates. He must remember the position and result of each well in a 96-well plate, which adds another level of complexity and risk of human error.

Javier realized he could save time and decrease errors by making voice notes instead of written notes during his culture plate analysis. He decided to use LabTwin to automatically record and transcribe the location and outcome of every well on his plate simply by speaking. With LabTwin, Javier can continue to use his eyes and hands to fully focus on his experiment.

72% of users reported that LabTwin's digital lab assistant improves the quality and speed of their documentation and makes positive impacts on their research productivity and reproducibility.



《《 HANDS-FREE DOCUMENTATION

Taking notes at the point of experimentation supports the traceability of results and enables researchers to maintain the quality and control of their data. Contact us to **book a free information session**.

“I can now capture my findings at the point of experimentation without losing track of which well I am reading.”

Javier Moreno
Microbiology PhD student,
Barcelona Institute for Global
Health - Universitat de Barcelona

KEY TAKEAWAYS

- > Scientists can now access support when their hands and eyes are busy
- > A digital lab assistant annotates findings and maintains data quality and accuracy
- > Hands-free, real-time data capture minimized human error and interruptions