

Stingray™



Advanced Electrical & Optical Stimulation
3D Tissues, Organoids and 2D cultures



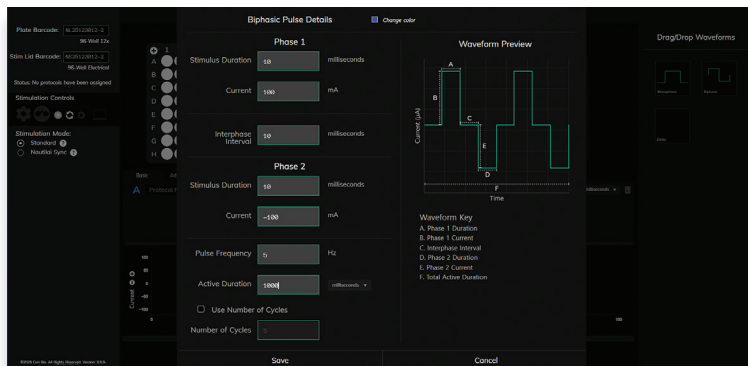
Stimulate More. Measure More.

Scale Without More Hardware

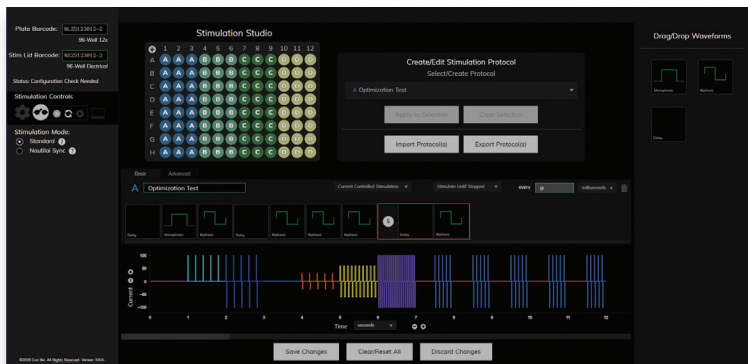
Stimulate up to **96 wells in parallel** — a full 96-well plate, or four 24-well plates simultaneously. More samples per session, same instrument count, lower cost per data point.

Free Your Readout Instruments

Stingray runs stimulation autonomously in the incubator, so your Mantarray and Nautilai stay free for measurement. No more choosing between stimulating and recording.



Every Stingray includes a user-friendly interface



Fully customizable protocol definition and assignment

Set It. Walk Away.

Headless operation means no tethered computer, no software babysitting. Program your protocol, disconnect, and the instrument runs — **acute, chronic, or scheduled**.

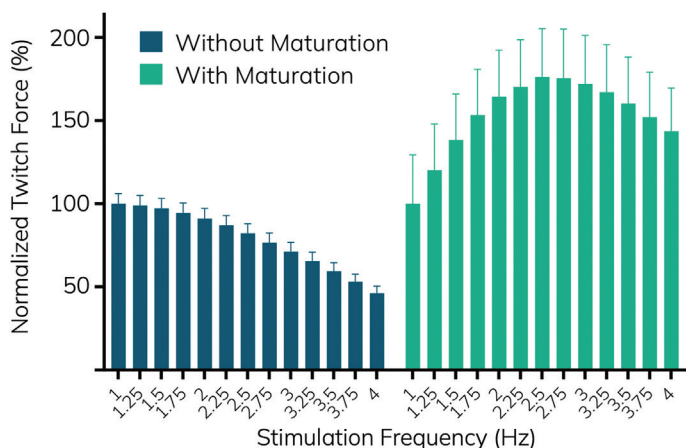
Reproducible By Design

Current-controlled stimulation delivers consistent dose to every well, regardless of well-to-well variability — the foundation of reliable dose-response and force-frequency studies.

Pair Stingray with the Curi Bio ecosystem. Use it with everything else.

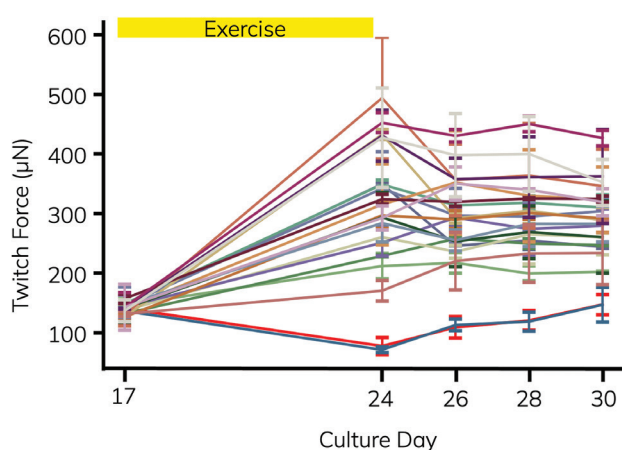
Use Stingray standalone with any SBS flat-bottom plate, or pair it with Mantarray™ and Nautilai™ for end-to-end workflows.

Cardiac Maturation with weeks of autonomous stimulation



Cardiac Tissues Subjected to Chronic Electrical Stimulation exhibit positive Force-Frequency Relationship

20+ Stimulation Protocols in a single optimization experiment



Skeletal Muscle Tissues grouped by exercise protocol reveal the most beneficial training regimen