Stingray™

Platform for Maturation of 3D Engineered Cardiac and Skeletal Muscle Tissues

curi bio

Advance Your 3D Cardiac & Skeletal Muscle Experiments

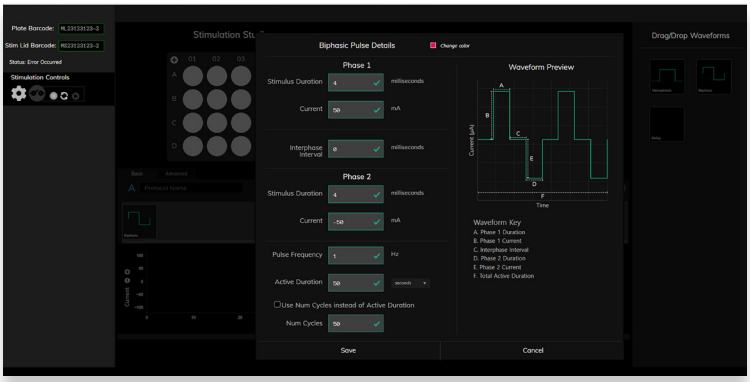
Stingray™ Key Characteristics

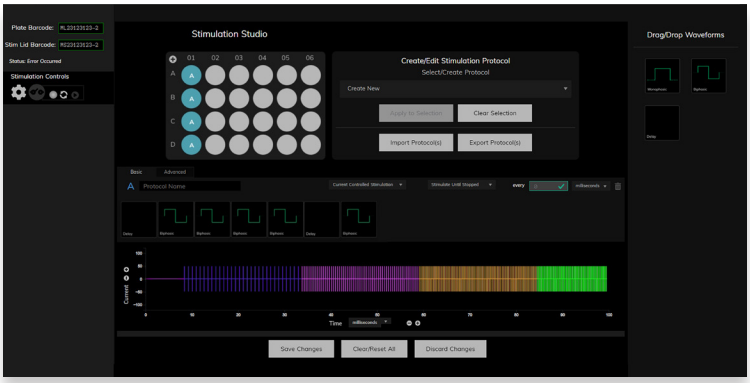
Higher Stimulation Throughput

The Stingray instrument features individual well addressable stimulation, enabling a higher throughput and flexibility to design up to 24 unique stimulation protocols on a Mantarray™ 24-well plate consumable.

User-friendly Software

The easy-to-use, all GUI software provides full flexibility and control over stimulation protocol design.





Scheduled Long-term Stimulation

Built-in offline mode capability enables scheduling of long-term stimulation without connection to software.

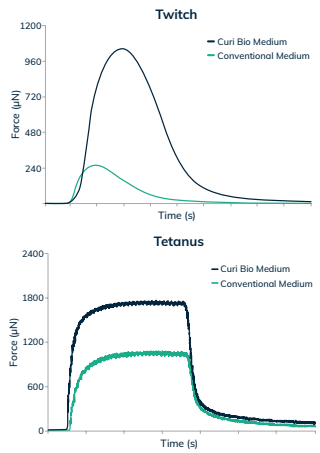
Built-in Temperature Control

Stingray includes a purpose-built active cooling system to limits the temperature increases of tissue culture media to <0.7°C during active electrical stimulation, reducing experimental variability due to increased temperatures.

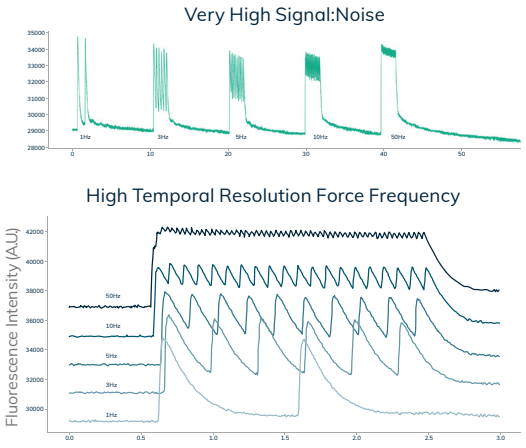
Unmatched Performance and Versatility

Stingray can be paired with many of Curi Bio's suite of platforms to enable a wide range of applications including cardiac and skeletal muscle tissue contractility measurement (Mantarray), optical mapping (Nautilus™), electrophysiology, maturity, fatigue, excitation-contraction couplings (Pulse™), and more.

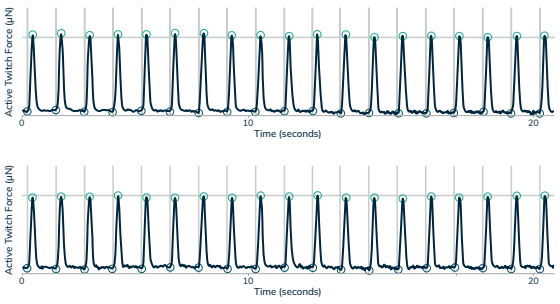
Paired with Mantarray



Paired with Nautilus



Paired with Pulse



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