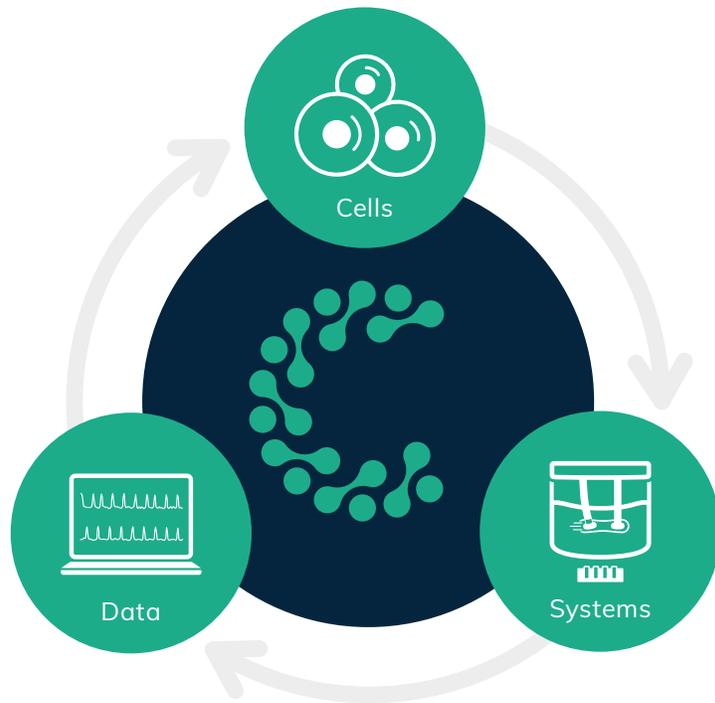




# Product Catalog



By integrating human iPSC-derived **cells**, tissue-specific **biosystems**, and AI-enabled **data analytics**, Curi Bio is developing platforms that make preclinical biological research more impactful and, in turn, **improve human health**.

Please direct any questions to [contact@curibio.com](mailto:contact@curibio.com).



# Contents

The Curi Engine™	2
Mantarray™	3
Nautilai™	6
NanoSurface™ Plates	8
MantaReady™ Cells & Media	9
Data Analytics	12





Mantarray instrument with EMT plate on top.

# The Curi Engine™

## Enabling Drug Discovery for Human Diseases

Curi Bio has developed a workflow of human iPSC-derived cells, tissue-specific biosystems, and AI-enabled phenotypic screening solutions with a focus on human disease models of contractile and excitable tissues.

Additionally, Curi Bio offers a suite of services utilizing these integrated platforms that spans the preclinical drug development process. Curi Bio's team of experts can help customize and execute studies to meet your desired endpoints.

## Examples of Services Curi Bio Offers

- Disease Model Development
- Assay Development
- Discovery
- Cell Repositories

Reach out to [contact@curibio.com](mailto:contact@curibio.com) with any questions.

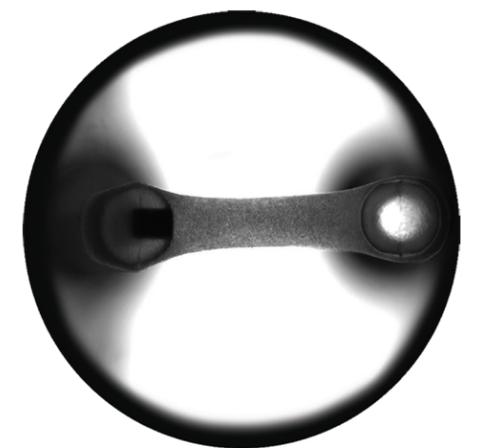
# Mantarray™

## Curi Bio's Platform for Human-Relevant 3D Engineered Muscle Tissue Analysis

The Mantarray product family provides a user-friendly, scalable and streamlined framework to create, maintain and characterize contractile 3D engineered muscle tissues (EMTs) in the convenience of your own labs.

- Effortless Creation of 3D EMTs in a 24-well SBS Format
- Compact Instruments That Fit in Your Incubator
- Parallel Functional Data Capture From 24 Tissues
- Customizable Electrical Stimulation for Each Tissue
- Automated Data Analysis on Designated Cloud Platform

Find more info on the following page. Reach out to [contact@curibio.com](mailto:contact@curibio.com) with questions.



# Mantarray™ Continued...

## Mantarray Instrument

Functional Data Acquisition & Electrical Stimulation | Product Code: MANTA-24

Pricing Available Upon Request

Ask about our financing and service options.

## Stingray™ Instrument

Electrical Stimulation | Product Code: STING-24

Pricing Available Upon Request

Ask about our financing and service options.

### Detailed Platform Specifications

- Sensing Modality: 24-well simultaneous real-time data acquisition **\*Mantarray Instrument Only**
- Sampling Rate: 100 Hz per well **\*Mantarray Instrument Only**
- Throughput: 24 wells / 24 individual EMTs
- Stimulation: Parallel electrical stimulation of 24 EMTs
- Compatible with EMT Plate Format: SBS format, 24-well plate
- Environmental Control: CO<sub>2</sub> humidity and temperature control via placement in external incubator
- Interface & Software: Graphical UI; local app for control and data capture; cloud portal for data analysis

## Mantarray Consumables

	Product Description	Product Code
	<b>Mantarray Plate Kit</b> Consumable kit for casting, culture, and assay of 3D engineered muscle tissues (EMTs). 24-well, 1x Post Stiffness, Packs of 2* or 5 kits. Each kit has 1 Casting Plate and 2 EMT Plates. <i>*Pack of 2 format is exclusively for new users. Limit 1 per lab.</i>	MA-1x-24-2 MA-1x-24-5
	<b>Mantarray Plate Kit (12x)</b> Consumable kit for casting, culture, and assay of 3D engineered muscle tissues (EMTs). 24-well, 12x Post Stiffness, Packs of 2* or 5 kits. Each kit has 1 Casting Plate and 2 EMT Plates. <i>*Pack of 2 format is exclusively for new users. Limit 1 per lab.</i>	MA-12x-24-2 MA-12x-24-5
	<b>Mantarray Stimulation Plate Kit</b> Consumable kit for stimulation of 3D EMTs. 24-well, Packs of 2 or 5 kits. Each kit has 1 Stimulation Lid Body, Graphite Electrodes (set of 48), and Stimulation Cables.	MA-STM-2 MA-STM-5
	<b>Mantarray Skeletal Muscle Casting Demo Kit</b> Complete kit containing all required materials and components for fabricating 3D EMTs. Wild type and Duchenne muscular dystrophy isogenic pair. <i>*Limited Use License: Research use only.</i>	MRCK-SKM-A1
	<b>Curi Bio Maintenance Plates</b> Curi Bio 3D tissue maintenance plates. For use with Mantarray Kits only. 24-well, Pack of 100 plates.	MA-MNT-100

# Mantarray™ Continued...

## Additional Mantarray Offerings

	Product Description	Product Code
 <b>Mantarray Cloud Platform</b>	600 (B0), 1200 (B1), or 2500 (B2) Analyses per 12 months or Custom Analysis Package. Access to the Mantarray Cloud Platform for advanced analysis of data captured with Mantarray. Includes unlimited storage of recordings captured with Mantarray.	PULSE-B0-12 PULSE-B1-12 PULSE-B2-12 PULSE-B3
 <b>Mantarray Extended Warranty and Service Plan</b>	Extends the warranty period for the Mantarray system one additional year.	EXT-WRNT-MA
 <b>Upgrade to Mantarray Gold Warranty Plan</b>	Includes on-site installation and training of the Curi Bio Mantarray instrument, 1 preventative maintenance at Curi Bio facility, repairs, parts, labor, and shipping for 1 year.	WRNT-MA-UP

Stingray™ instrument with EMT plate on top.





Nautilai instrument beside screen displaying Nautilai controller software.

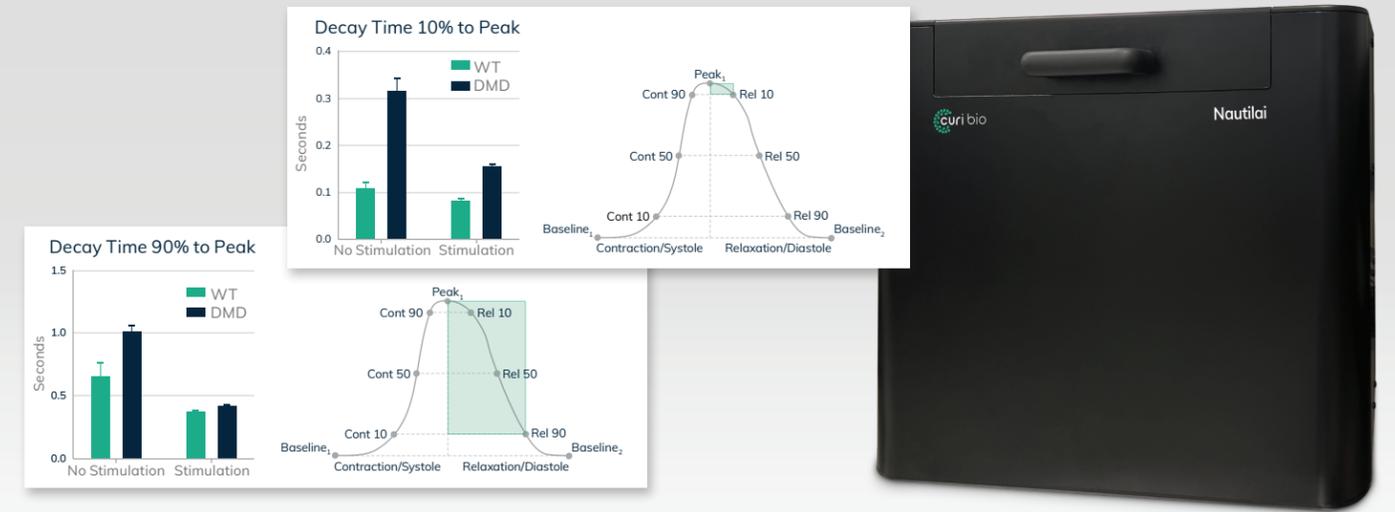
# Nautilai™

## Turnkey Multiwell Calcium and Voltage Mapping Platform for Cells and Tissues

Nautilai enables high-throughput analysis of electrophysiology and calcium transients on samples ranging from 2D monolayers to complex 3D organoids. With Nautilai, researchers are empowered with deep insight into the electrophysiology of their cells with a platform that condenses days of data acquisition and analysis into mere minutes with an automated, push-button workflow.

- Culture: Discover New Biology
- Image: Workflow Simplicity
- Analyze: Calcium and Voltage Measurements, Action Potential, and Key Electrophysiology Metrics
- Decide: Data Drives Decisions

Find more info on the following page. Reach out to [contact@curibio.com](mailto:contact@curibio.com) with questions.



Nautilai instrument beside examples of data acquired via the instrument.

## Nautilai™ Continued...

**Nautilai Instrument**  
Product Code: NAUT-B1

**Pricing Available Upon Request**  
Ask about our financing and service options.

**Nautilai Instrument + Full Environmental Control Suite**  
Product Code: NAUT-PLUS

**Pricing Available Upon Request**  
Ask about our financing and service options.

### Detailed Platform Specifications

- Throughput: 24-well 3D engineered muscle tissues (EMTs) or up to 384-well 2D cultures.
- Sensing Modality: Optical real-time data acquisition.
- Sampling Rate: 250 Hz.
- Plate Compatibility: 24-well Mantarray™ plates, ANSI/SLAS 4-2004 compliant 96- & 384-well plates.
- Environmental Control: Temp. control of the sample in instrument + optional CO<sub>2</sub>/humidity control add-on.
- Software: Optimized user interface, localized control/data capture, cloud portal for graphical data analysis.
- Stimulation: Compatible with Curi Bio Stingray™ or Mantarray Instrument for parallel electrical stimulation.

Additional Nautilai Features	Product Description	Product Code
<b>Nautilai Cloud Platform</b>	100 Recordings/Month, 12 Month Extension. Access to the Nautilai Cloud Platform for advanced analysis of data captured with the Nautilai platform. Includes unlimited storage of recordings captured with Nautilai.	PULSE-C1-12
<b>Nautilai Extended Warranty and Service Plan</b>	Extends the warranty period for the Nautilai system one additional year.	EXT-WRNT-NAUT

# NanoSurface™ Plates

Develop More Mature Cell and Tissue Cultures, Faster

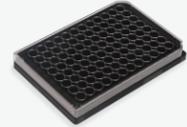
NanoSurface Plates feature a biomimetic nanopatterned surface to enhance the structural development of cells and tissues and improve the physiological relevance of cell-based assays. Cells cultured on NanoSurface Plates exhibit enhanced structural and phenotypic development.

Reach out to [contact@curibio.com](mailto:contact@curibio.com) with any questions.

## NanoSurface Consumables

## Product Description

## Product Code



**96-well  
NanoSurface  
Plate**

96-well plate with NanoSurface topography.  
Offered in packs of 5\* or 25 plates.  
*\*Pack of 5 format is exclusively for new users. Limit 2 per lab.*

ANFS-0096-5  
ANFS-0096-25



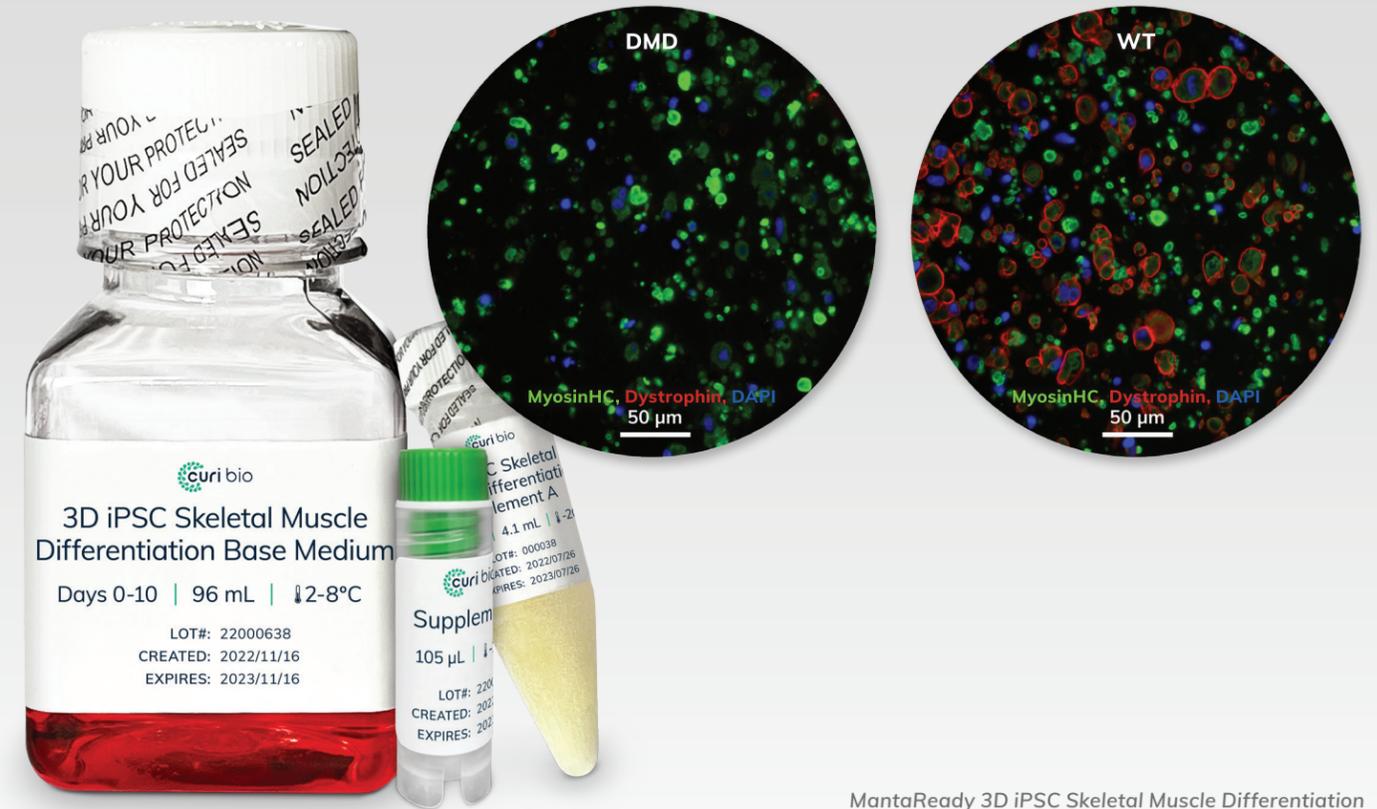
**384-well  
NanoSurface  
Plate**

384-well plate with NanoSurface topography.  
Offered in packs of 5\* or 25 plates.  
*\*Pack of 5 format is exclusively for new users. Limit 2 per lab*

ANFS-0384-5  
ANFS-0384-25



The bottom side of a Nanosurface 384-well plate, showing how the nanopattern refracts light.



MantaReady 3D iPSC Skeletal Muscle Differentiation Media Kit beside cross-sectional images of muscle tissues made with MantaReady iPSC-Derived isogenic myoblasts.

# MantaReady™ Cells & Media

Advance Your 3D Skeletal Muscle Tissue Experiments with MantaReady Cells, Serum-free Media, and Tissue Casting Plates

Curi Bio's MantaReady suite of products adds support and efficiency to your 3D engineered muscle tissue experiments.

- Stronger Tissues
- Faster Kinetics
- Greater Longevity
- Unmatched Performance

Find more info on the following page. Reach out to [contact@curibio.com](mailto:contact@curibio.com) with questions.

# MantaReady™ Cells & Media Continued...

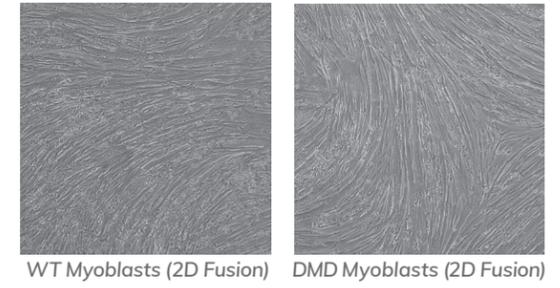
## MantaReady Media Kits

	Product Description	Product Code
	<b>3D iPSC Skeletal Muscle Media Kit, Differentiation</b> Serum-free medium to promote iPSC-derived myoblast fusion and differentiation in 3D culture. Optimized for days 0-10.	SKM-MED-IPS-D
	<b>3D iPSC Skeletal Muscle Media Kit, Maintenance</b> Serum-free medium to support long term maintenance of iPSC-derived muscle tissues after day 10 of 3D culture.	SKM-MED-IPS-M
	<b>3D Primary Skeletal Muscle Media Kit, Differentiation</b> Serum-free medium to promote fusion and differentiation of primary myoblasts in 3D culture. Optimized for days 0-7.	SKM-MED-PRI-D
	<b>3D Primary Skeletal Muscle Media Kit, Maintenance</b> Serum-free medium to support long term maintenance of primary cell-derived muscle tissues after day 7 of 3D culture.	SKM-MED-PRI-M
	<b>2D iPSC Skeletal Muscle Media Kit</b> Serum-free differentiation medium promotes rapid fusion of myoblasts in 2D cultures to produce robust, multinucleated myotubes.	SKM-MED-IPS-2D

A scientist casting tissues after receiving the MantaReady Casting Kit.



# MantaReady™ Cells & Media Continued...



## MantaReady 3D Cells & Media Kits

	Product Description	Product Code
	<b>Cell and Media Kit: Wild Type, 12 Million Cells</b> Kit Components: 1x 12 Million Cryovial iPSC-derived Wild Type Skeletal Myoblasts*, 2x 100 mL Serum-free Medium Kit for Days 0-10 *Limited Use License: Research Use Only.	MRC-SKM-WT-12M
	<b>Cell and Media Kit: Wild Type, 6 Million Cells</b> Kit Components: 1x 6 Million Cryovial iPSC-derived Wild Type Skeletal Myoblasts*, 1x 100 mL Serum-free Medium Kit for Days 0-10 *Limited Use License: Research Use Only.	MRC-SKM-WT-6M
	<b>Cell and Media Kit: DMD, 6 Million Cells</b> Kit Components: 1x 6 Million Cryovial iPSC-derived DMD Skeletal Myoblasts*, 1x 100 mL Serum-free Medium Kit for Days 0-10 *Limited Use License: Research Use Only.	MRC-SKM-DMD-6M
	<b>Cell and Media Kit: DMD, 12 Million Cells</b> Kit Components: 1x 12 Million Cryovial iPSC-derived Duchenne Muscular Dystrophy (DMD) Skeletal Myoblasts*, 2x 100 mL Serum-free Medium Kit for Days 0-10 *Limited Use License: Research Use Only.	MRC-SKM-DMD-12M

## MantaReady 2D Cells & Media Kits

	Product Description	Product Code
	<b>Cell and Media Kit: Wild Type, 1 Million Cells</b> Intended for 2D Applications Kit Components: 1x 1 Million Cryovial iPSC-derived Wild Type Skeletal Myoblasts*, 1x 100mL Serum-free Medium Kit for Differentiation and Maintenance of 2D Cultures *Limited Use License: Research Use Only.	MRC-SKM-WT-1M
	<b>Cell and Media Kit: DMD, 1 Million Cells</b> Intended for 2D Applications Kit Components: 1x 1 Million Cryovial iPSC-derived DMD Skeletal Myoblasts*, 1x 100mL Serum-free Medium Kit for Differentiation and Maintenance of 2D Cultures *Limited Use License: Research Use Only.	MRC-SKM-DMD-1M



Mantarray software displayed on a laptop.

# Data Analytics

## Curi Bio's Suite of Intuitive Software Solutions

Curi Bio offers a variety of software solutions that you can utilize to measure calcium, contractility, and more with ease and in high-throughput formats.

Reach out to [contact@curibio.com](mailto:contact@curibio.com) with any questions.

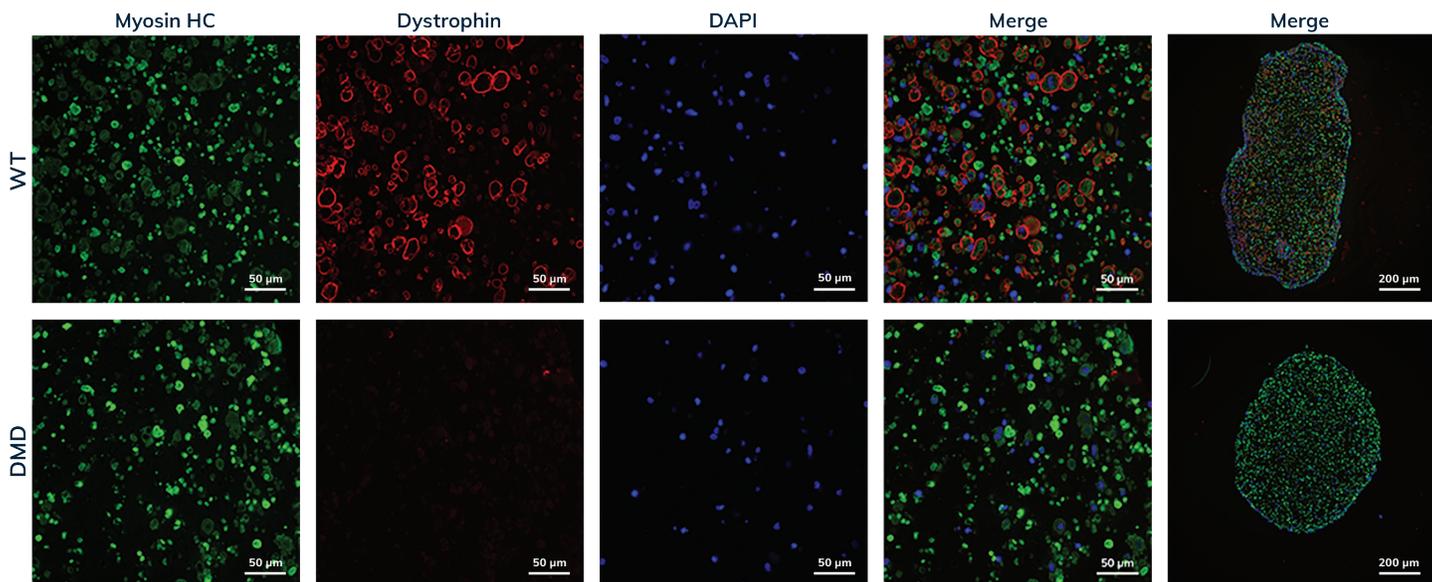
### Software Options

### Product Description

### Product Code

 <p><b>Pulse™ 2D</b></p>	<p>Pulse Contractility Assay High-Throughput Video Analysis of Beating Cardiomyocytes Offerings: 12 month license, 6 month license, and 1 month license.</p>	<p>PULSE-12 PULSE-6 PULSE-1</p>
 <p><b>PhenoLearn</b></p>	<p>Offering: 12 month license.</p>	<p>PHENO-12</p>





Historical analysis of tissue cross sections of Curi Bio's MantaReady™ DMD/WT isogenic pair showed distribution of myosin positive myotubes throughout the EMT with a pronounced dystrophin ring stained at the cell membrane in healthy tissues. DMD tissues, as expected, completely lacked dystrophin rings surrounding myosin positive myotubes. These data demonstrate the ability of Curi Bio's Mantarray™ to uniquely stratify healthy and diseased phenotypes to recapitulate native developmental architecture and muscle function.

# Accelerating Discovery of Next Generation of Medicines

Curi Bio provides innovative human stem cell maturation platforms and services for cell and tissue engineering, disease modeling, and fundamental cell biology research. Using a variety of bioengineering techniques to mimic the various signals that cells normally receive in the body, Curi Bio's technologies advance the maturity of human stem cells. This results in more developed and physiologically representative tissues that can better predict how new medicines will affect the human body during the earliest stages of drug development.

Please reach out to our team of experts with any questions or requests. For fastest service, please contact the following resources based on your needs:



**Sales:** [sales@curibio.com](mailto:sales@curibio.com) or [www.curibio.com/request-a-quote](http://www.curibio.com/request-a-quote)

**General Inquiries:** [contact@curibio.com](mailto:contact@curibio.com) or [www.curibio.com/contact](http://www.curibio.com/contact)

**Technical Support:** [support@curibio.com](mailto:support@curibio.com)

**Phone:** +1 (800) 913-4403