

ION OPTIX

NEW

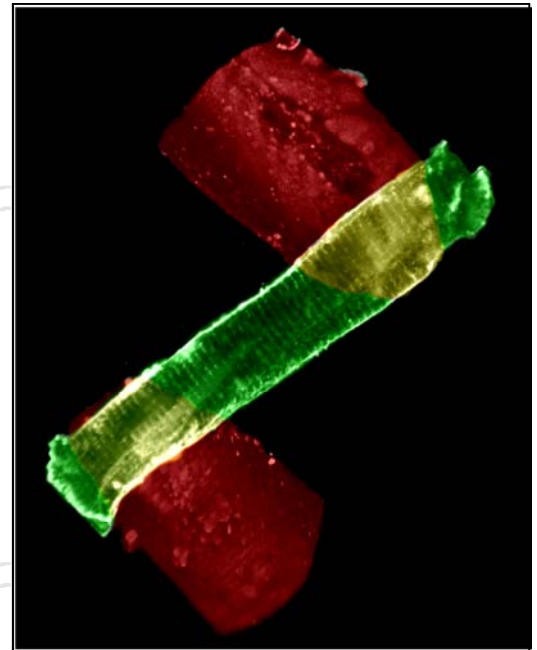
IonOptix MyoTak

IonOptix MyoTak is a specially-formulated bio-compatible adhesive that permits the attachment of cells to surfaces that are smooth or otherwise difficult to adhere to. Developed and patented by researchers at the University of Maryland, IonOptix MyoTak provides a bond strong enough to allow direct force measurements from single primary myocytes yet without damage to cell membranes (*B. Prosser, C. Ward and W.J. Lederer, Science, 2011*).

IonOptix MyoTak will readily coat a variety of materials including carbon fibers (*P. de Tombe, unpublished data*) as well as small glass rods (*B. Prosser, C. Ward and W.J. Lederer, Science 2011*).

Use **IonOptix MyoTak** to:

- record mechanical properties of cells
- study the effects of mechanical stretch on cellular signaling
- limit cellular mobility
- cell body manipulation



3-D reconstruction of a heart cell labeled with the membrane staining dye, Di-8-ANEPPS (green), attached to two glass micro-rods via MyoTak (red). Photo courtesy of Dr. Ben Prosser (UMd-Baltimore).

Ordering

Please contact us at:
info@ionoptix.com

Or call: (617) 696-7335

IonOptix MyoTak is available in 10-, 20-, 30-, and 40-week kits.

*Interested in recording force in myocytes? Contact us for more info on our new **MyoStretcher** force system!*

IonOptix Systems

Myocytes:

- Calcium & other Photometric Measurements
- Contractility
 - Cell & Sarcomere Shortening
- MyoStretch Force Recording

Vessels:

- Calcium & other Photometric Measurements
- VasoConstriction/Dilation Diameter
- Flow Characteristics

General Fluorescence Microscopy:

- Fluorescence Photometry System

Tissue Bath Fluorometry:

- FluoroPlex: Tissue & Whole Heart Fluorescence

Cell Pacing

- Cell Culture Electrostimulation & Pacing



**Myocyte MyoStretch
Force, Calcium &
Contractility System**



**C-Pace EP
Cell Culture Pacing System**



“The Barn” — IonOptix Headquarters in Milton, Massachusetts

Company History

IonOptix makes quality ratiometric fluorescence and cell dimensioning data acquisition systems. We have been making reasonably priced, high performance systems since 1990.

IonOptix prides itself on post-sale customer support. Telephone and email support is available on an unlimited basis. More importantly, every system sale includes a one to two day installation visit to set up the system and train the customer. We consider this training to be critical as it gets the customer up and running as quickly as possible. We run experiments with your preparations during the visit to be assured that all technical issues particular to the experimenter's preparations have been covered.

Resellers

Our good friends at Cairn Research are currently our only resellers. They sell our components in conjunction with their fluorescence and electrophysiology systems.



Cairn Research
www.cairn-research.co.uk

Authorized Representatives

In efforts to afford this high level of service to all our customers, IonOptix has entered into agreements with local representatives in several countries. The representatives have been chosen based on their technical and biological expertise, familiarity with our products, and on their customer service skills.



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