

Stem Cell & Device Laboratory, Inc.



<http://scad-kyoto.com>

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Products

- Main product: SCAD-MT™ cardiomyocyte
- Overview: Ready-to-use nanofiber culturing device pre-plated with our functional and stable human iPS cell-derived 3D heart muscle-like micro-tissues developed for drug discovery and development, and in vitro toxicology.
- Features:
 - Functional, three-dimensional and highly aligned cardiac micro-tissue
 - Improved maturity (high expression of cardiac maturation-related genes)
 - Ready-to-use, no thawing or pre-culturing necessary
 - High lot-to-lot consistency
 - Possibility of chronic evaluations (long-term exposure)
 - Highly pure human iPS cell-derived cardiomyocytes (~98%)
 - Easy handle ability
 - Detection of clear repolarization peaks during extra-cellular potential measurements
 - Good drug responses
- Target markets: Safety and toxicology assays, and drug discovery screening

Message

We are looking for partners interested in helping us to expand into the US drug discovery and development markets. We are eager to develop collaborations on drug screening, toxicity and efficacy, disease models, and research studies.

Reference information

We own exclusive patent agreements with Kyoto University. Our technologies are also protected with several SCAD-owned patents. We are active members in Japanese stem cell-based toxicity/efficacy testing consortia (e.g., CSAHi).



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