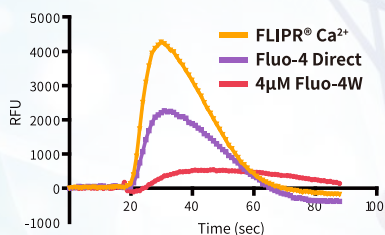
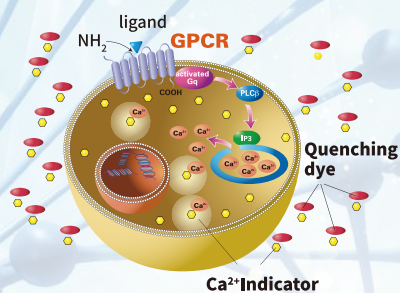


Ca²⁺ Detection의 강자

FLIPR Calcium 6 Assay Kit



Low Background Signal

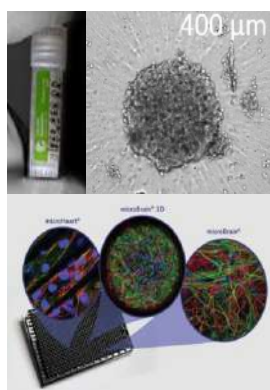
- Quenching tech 적용 dye 사용
- 세포 내 Ca²⁺ Signal만 측정

Very Simple Step

- No media change/ No Wash
- Mixing & Reading

High Sensitivity

- 경쟁사 대비 Largest Signal Window
- Anion channel inhibitor (Probenecid) 없이도 Ca²⁺ Signal 측정가능



Neuronal Spheroids or Cardiomyocyte Spheroids

직접 만들거나 Stemonix 제품 준비

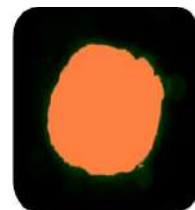
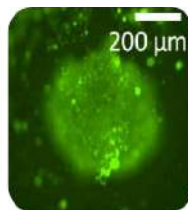
Compounds Treat 2h~24h

Image Analysis

Peak Analysis

High-content imaging assay (FLIPR Calcium 6 dye)

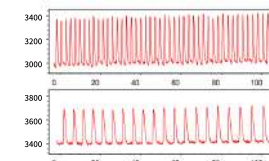
Fluorescence intensity (Measured by image analysis)



Time-lapse imaging 10reads/sec

Image Analysis

: HCS 장비를 통한 Calcium activity를 실시간 모니터링 가능, 이미지 peak 가능



Peak Analysis

: FLIPR 및 Flexstation 3 같은 전용 장비를 활용 Peak data 분석. 소프트웨어를 활용하여 peak의 세밀한 분석 가능

Order information

Reagent	Size	Cat #
FLIPR® Ca ²⁺ 6 assay Sample kit	2 Plates	R6133
FLIPR® Ca ²⁺ 6 assay Evaluation kit	3 Plates	R8194
FLIPR® Ca ²⁺ 6 assay Explorer kit	10 Plates	R8190
FLIPR® Ca ²⁺ 6 assay Bulk kit	100 Plates	R8191

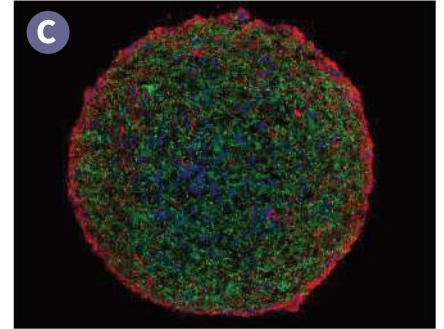
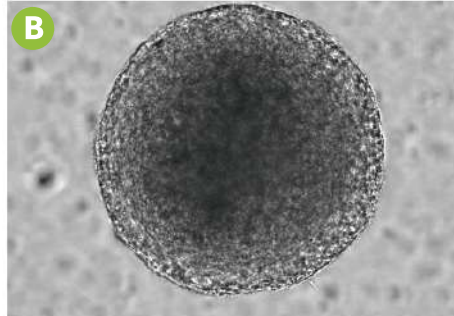
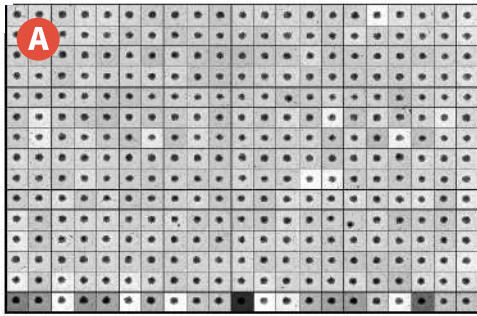


Related Products

Innovative **microOrgan**[®] Technology

- 96 well & 384 well 가능
- iPSC 유래
- 충분한 matured organ으로 공급

▶ **microBrain**[®] 3D Assay Ready



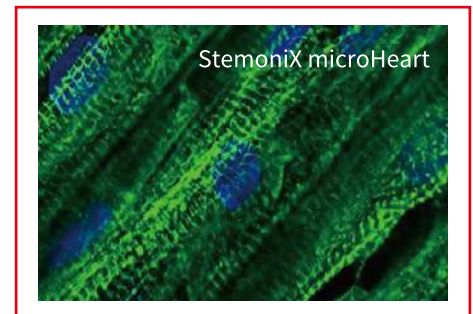
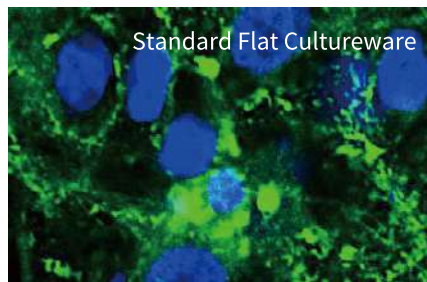
- A. Brightfield microscopy of microBrain 384-well plate
- B. A single neural spheroid under brightfield microscopy
- C. Z-plane cross-sectional imaging of a single microBrain 3D spheroid.

- Neurons (MAP-2; green)
- Astrocytes (GFAP; red)
- Nuclei (DAPI; blue)

- Uniformed Cell Size (500um)-실험의 일관성
- maturedOrgan 6~8주차 공급-Key marker 발현
- Neuron: Astrocyte 비율 50:50
- Glutamatergic L: GABAergic L 발현비율 80:20

Product Name	Catalog#
microBrain 3D Assay Ready 96-Well Plate	BSARX-AA-0096
microBrain 3D Assay Ready 384-Well Plate	BSARX-AA-0384
Neural Progenitor Cells	CNCPX-0002-001

▶ **microHeart**[®] Assay Ready & Cell Ready



StemoniX microHeart[®] platform provides a structured environment for human iPSC-derived cardiac cells to passively align into a physiologically relevant structure to closely represent human heart tissue.

- Key cardiac physiology genes 발현
- Calcium handling 용이
- Aligned sarcomeres

Product Name	Catalog #
microHeart Assay Ready 96-Well Plate	MHARX-AA-0096
microHeart Assay Ready 384-Well Plate	MHARX-AA-0384
microHeart Cell Ready 96-Well Plate	MHCRX-AA-0096
microHeart Cell Ready 384-Well Plate	MHCRX-AA-0384

*microHeart Cell Ready 제품은 patterned Plate만 제공 제품