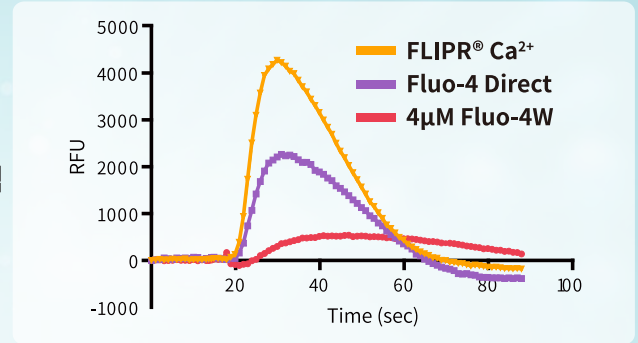


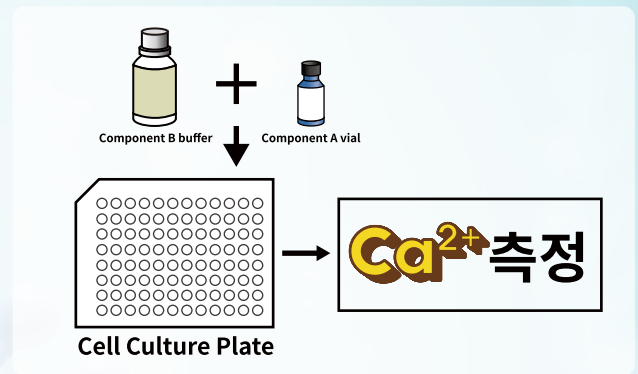
### LARGEST signal window

- 경쟁사보다 높은 감도 제공하는 Ca<sup>2+</sup> indicator
- 낮은 반응성을 보이는 경우에도 보다 정확 & 확실하게 Ca<sup>2+</sup> 분석
- Drug 처리 후 Ca<sup>2+</sup>의 세밀한 변화 관찰 가능



### Very Simple Step

- No wash, No media change
- Mixing & Reading

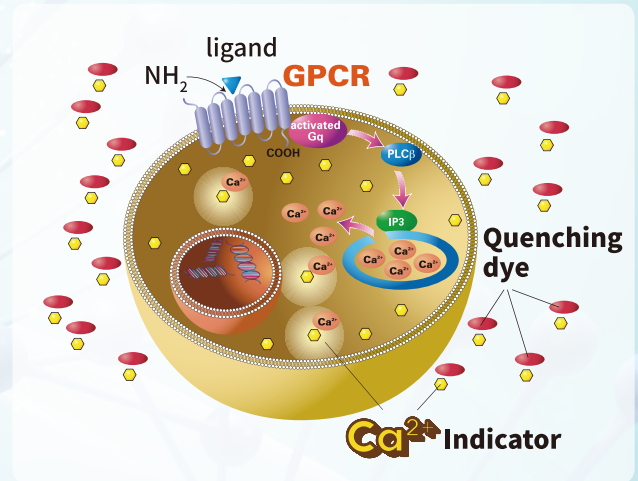


### Low Background signal

- MD 고유기술의 Quenching dye로, 세포 밖 Ca<sup>2+</sup> 최소화
- 세포 내 Ca<sup>2+</sup> signal 만 측정

### No or Less Probenecid

- FLIPR Ca<sup>2+</sup> indicator는 anion channel에 내성이 있어 inhibitor (probenecid) 없이 실험 가능
- ! Probenecid: Anion channel inhibitor  
Anion channel이 Ca<sup>2+</sup> 방출하는 것을 차단



### 다양한 size로 실험에 맞춰 선택

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



**Microplate Reader  
FlexStation 3**

**Fast Kinetic Multi-Detection Microplate Reader**  
- 시약분주와 동시에 signal detection → Ca<sup>2+</sup> 정확한 측정



### Automate pipetting

Multi-channel pipettor 장착 : 시약분주 ~ 측정까지 알아서!



### Optimal assay excitation

Dual monochromators 방식 : 다양한 형광실험 최적화 가능



### Compatible assays

FLIPR Ca <sup>2+</sup> 6 Assay	ds DNA Assay	Fatty Acid Uptake Assay
Cell Viability Assay	Potassium Assay	Membrane Potential Assay
Fura-2 Ca <sup>2+</sup> Assay	cAMP & cGMP Assay	Cardiotoxicity Assay
Glo Steady-Luc Reporter Assay	Neurotransmitter Transporter	IMAP Kinase, Phosphatase Assay



**FLIPR Tetra**

## High-throughput Screening for Ca<sup>2+</sup>



### Whole plate automate pipette modules

96/384/1536 channels pipettor 장착  
: 모든 well에 동시에 자동 시약 분주 가능



### Screen with multiple detection modes

7가지 fluorescence LEDs 모드와 luminescence 모드  
: 사용자가 손쉽게 전환 & 사용 가능



### User-friendly software interface

쉬운 Protocol 설정과 data analyze  
: EC<sub>50</sub>, IC<sub>50</sub> curves를 바로 분석하여 보여주는 software



### Compatible assays

FLIPR Ca <sup>2+</sup> 6 Assay	Cardiotoxicity Assay	Fatty Acid Uptake Assay	Neurotransmitter Transporter
Potassium Assay	Fura-2 Ca <sup>2+</sup> Assay	Membrane Potential Assay	