

# Innovative Solutions for Drug Discovery and Life Sciences Research

## Multi-mode detection systems

**SpectraMax® Paradigm®**



Fast and sensitive, user-upgradeable with cartridges on top and bottom; monochromator-based absorbance; next-gen monochromator fluorescence, luminescence, FRET, TRF, FP, TR-FRET, HTRF®, AlphaScreen®, PathCheck®, 96-, 384-, 1536-, 3456-well

**SpectraMax® i3**



Most flexible; spectral absorbance, fluorescence, luminescence; user-upgradeable with 4 top cartridge positions and SpectraMax® MiniMax™ Imaging Cytometer on bottom

**FlexStation® 3**



Tunable absorbance, fluorescence, FRET, TRF, FP, TR-FRET, HTRF, luminescence with automated fluid transfer for endpoint, flex and fast kinetics, 8- or 16-channel pipettor, sub-microliter pipetting

**SpectraMax® M5/M5e**



Tunable absorbance, fluorescence, FRET, TRF, FP, TR-FRET, HTRF (M5° only), luminescence, triple-mode cuvette port, kinetics, spectral and well scanning, AutoPMT™, PathCheck®

**SpectraMax® M3/M4**



Upgradeable platform; tunable absorbance, fluorescence, luminescence; TRF (M4 only), triple-mode cuvette port, kinetics, spectral and well scanning, AutoPMT™, PathCheck®

**SpectraMax® M2/M2e**



Tunable absorbance, fluorescence, dual-mode cuvette port, kinetics, spectral and well scanning, AutoPMT™, PathCheck®

**F5 System**



Filter-based, 5 modes; absorbance, UV-Vis (230–650 nm); fluorescence, top-read (230–750 nm), bottom-read (300–650 nm); glow luminescence (400–750 nm); FP, TRF; temperature control, PathCheck®, 96-, 384-, 1536-well

**F3 System**



Filter-based, 3 modes; absorbance, Vis (340–650 nm); fluorescence, top-read (340–650 nm); glow luminescence (400–650 nm); 96–384-well

## Automation solution

**StakMax® Microplate Handler**



Walk-away automation for select SpectraMax Microplate Readers and AquaMax 2000/4000 Washers, 50-plate capacity

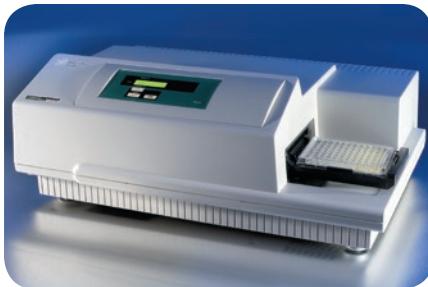
## Absorbance single-mode detection systems

SpectraMax® 190 and SpectraMax® Plus<sup>384</sup>



Tunable (UV/visible 190-850 nm, 1000 nm on Plus<sup>384</sup>) endpoint, kinetics, spectrum scanning, PathCheck®, 96-well (384-well and cuvette port on Plus<sup>384</sup>)

VersaMax™ and SpectraMax® 340PC<sup>384</sup>



Tunable (visible 340-850 nm) endpoint, kinetics, 96-well (spectrum scanning, PathCheck®, 384-well on 340PC<sup>384</sup>), temp. control

EMax® and VMax®



Filter-based (visible 405-750 nm) endpoint, 96-well (kinetics on VMax)

## Fluorescence single-mode detection systems

Gemini™ EM



Tunable (250-850 nm), fluorescence, top-and bottom-read, cell-based assay, FRET

Gemini™ XPS



Tunable (250-850 nm Ex, 360-850 nm Em), fluorescence, top-read

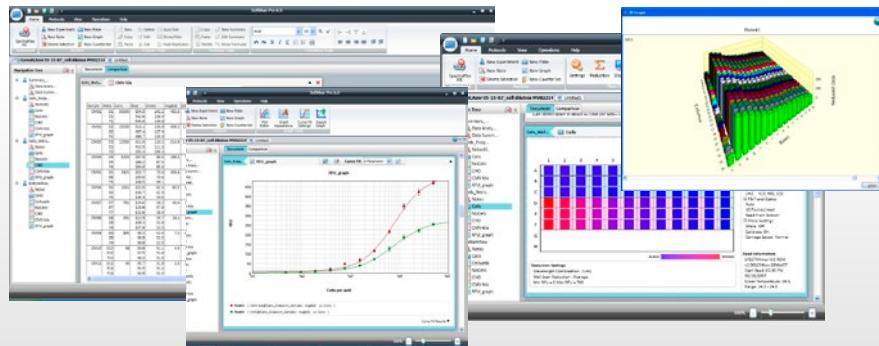
SpectraMax® L



Up to 6-times faster, > 9 orders of dynamic range, dual injection in both 96- and 384-well microplates, excellent sensitivity, Autorinse injectors, optional BRET configuration

## Microplate reader data acquisition and analysis software

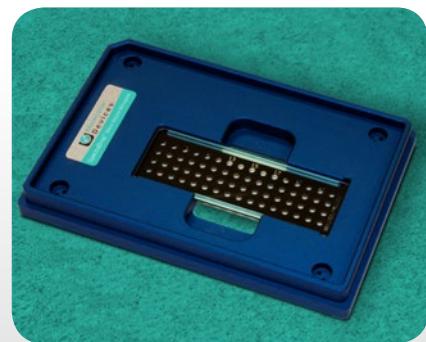
SoftMax® Pro Software: the most powerful microplate analysis software



Custom calculations for EC<sub>50</sub>, Z-factors, and bioassay analysis, including over 15 curve fits and built-in tests for parallelism; 140+ pre-defined protocols; FDA 21 CFR Part 11 compliance tools including e-signatures, audit trails, and user management

## Low-volume assays

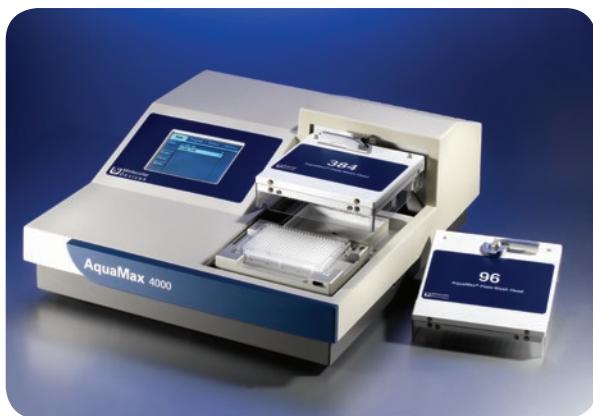
SpectraDrop™ Micro-Volume Microplate



Highest throughput solution for low volume measurement available; assures uniform and reproducible analysis; accelerates sample preparation time; increases laboratory productivity of DNA, RNA, and protein samples as low 2 µL

## Microplate washers

### AquaMax® Microplate Washers



Self-contained, touch screen, automatic washers with interchangeable 96- and 384-well wash heads; 96 and 384 microplate wash and cell washing, up to 4 fluid inputs, automated shutdown options, "One Touch" priming and cleaning protocols

### MultiWash III Microplate Washer



Low-cost 96-well microplate strip washer,  
user-changeable wash manifolds

## Bioassay validation tools

### SpectraTest® ABS1, FL1, and LM1 Validation Plates



Automated absorbance, fluorescence, and luminescence validation test plates, IQ/OQ tools and performance certification for GLP/cGMP

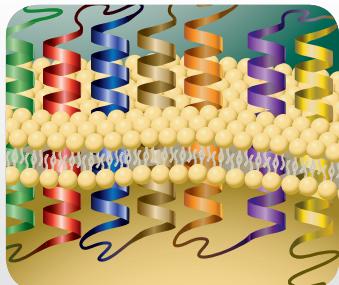
### Multi-Mode Validation Plate for SpectraMax Paradigm and F3/F5 Systems



Automated all-in one testing for absorbance, fluorescence, luminescence, TRF, and FP

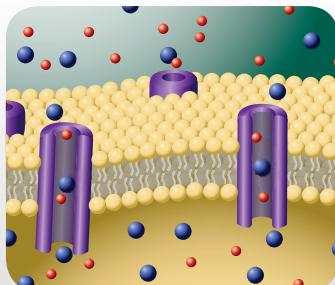
## Microplate assay reagents

### FLIPR® Calcium Assay Kits



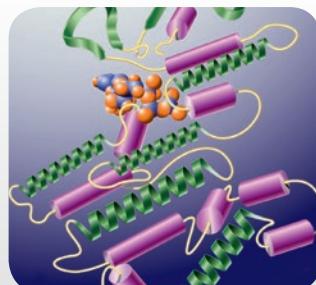
Live-cell assays to monitor GPCR calcium mobilization

### FLIPR® Membrane Potential Assay Kits



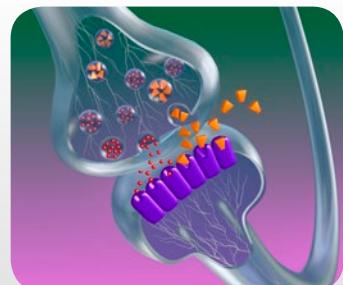
Cell-based assays to measure ion channel activity

### IMAP® Platform



Homogeneous assays to measure kinases, phosphatases, and phosphodiesterases

### Membrane Transporter Assay Kits



Live-cell kinetic assays to measure fatty acid and neurotransmitter uptake