

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 (M5e 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

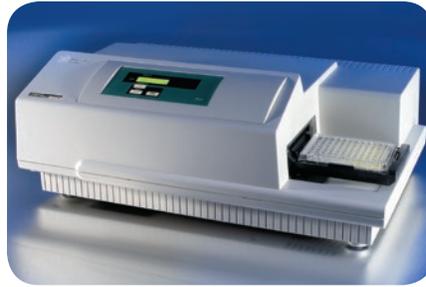
Absorbance single-mode detection systems

SpectraMax[®] 190 and SpectraMax[®] Plus³⁸⁴



Tunable (UV/visible 190-850 nm, 1000 nm on Plus³⁸⁴) endpoint, kinetics, spectrum scanning, PathCheck[®], 96-well (384-well and cuvette port on Plus³⁸⁴)

VersaMax[™] and SpectraMax[®] 340PC³⁸⁴



Tunable (visible 340-850 nm) endpoint, kinetics, 96-well (spectrum scanning, PathCheck[®], 384-well on 340PC³⁸⁴), 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

Luminescence single-mode

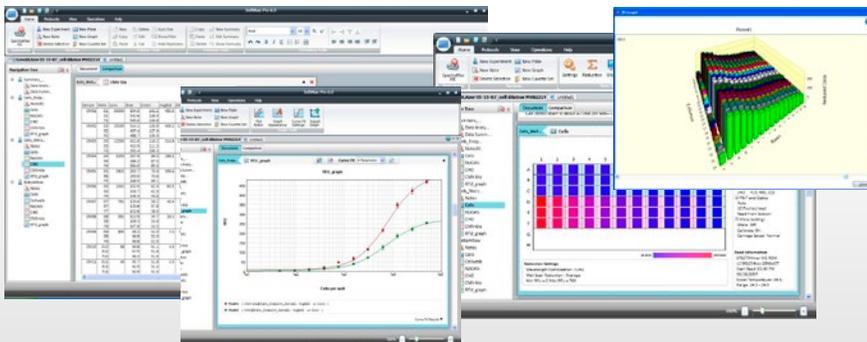
SpectraMax[®] L



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 EC₅₀, 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

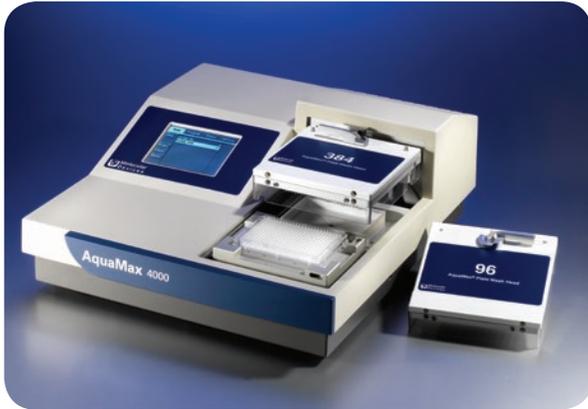
SpectraDrop[™] Micro-Volume Microplate



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 μ L

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

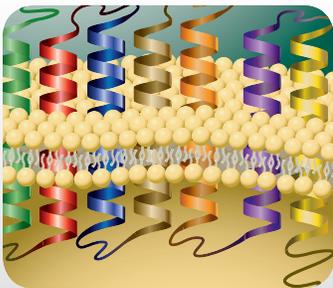
Multi-Mode Validation Plate for SpectraMax Paradigm and F3/F5 Systems



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

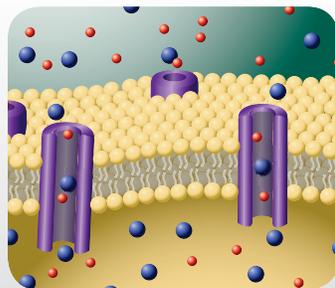
Microplate assay reagents

FLIPR® Calcium Assay Kits



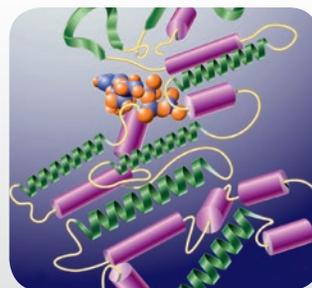
Live-cell assays to monitor GPCR calcium mobilization

FLIPR® Membrane Potential Assay Kits



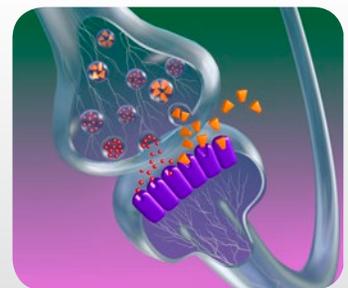
Cell-based assays to measure ion channel activity

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