

Innovative Solutions for Drug Discovery and Life Sciences Research

SpectraMax® Paradigm®



User-upgradeable, monochromator-based absorbance; filter-based fluorescence, luminescence, FRET, TRF, FP, TR-FRET, HTRF, AlphaScreen®; PathCheck®, 96-, 384-, 1536-, 3456-well

Hybrid Multi-Mode Detection

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

Monochromator Multi-Mode Detection

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® M4



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

SpectraMax® M3



Upgradeable platform; tunable absorbance, fluorescence, luminescence; triple-mode cuvette port, kinetics, spectral and well scanning, AutoPMT®, PathCheck®

Monochromator Multi-Mode Detection

SpectraMax® M2/M2e



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

FilterMax™ F5



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

Filter-Based Multi-Mode Detection

FilterMax™ F3



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

StakMax® Microplate Handler



Walk-away automation for certain SpectraMax readers and AquaMax 2000/4000, 50-plate capacity

Automation

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)

Absorbance Single-Mode Detection

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

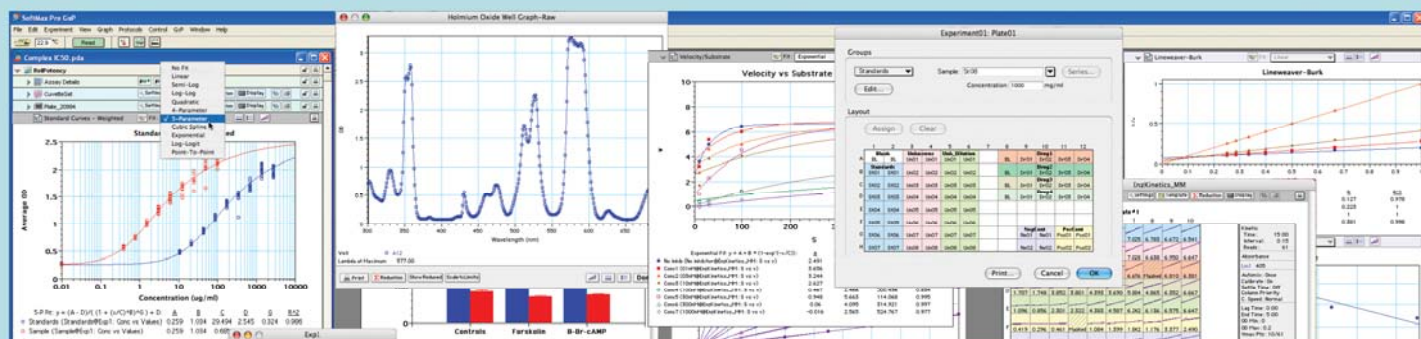


Up to 6-times faster, > 9 orders of dynamic range, dual injection in both 96- and 384-well microplates, excellent sensitivity, Autorinse injectors, optional BRET configuration

Fluorescence Single-Mode Detection

Luminescence Single-Mode Detection

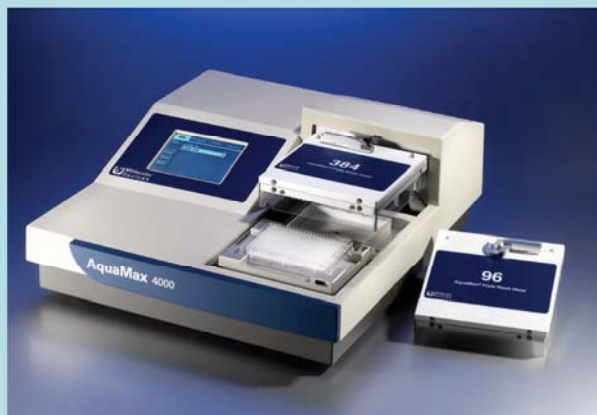
SoftMax[®] Pro Software: the Most Powerful Microplate Analysis Software



Custom calculations for EC₅₀, Z-factors, and bioassay analysis, including nine curve fits and built-in tests for parallelism; 120+ pre-defined protocols; FDA 21 CFR Part 11 compliance tools including e-signatures, audit trails, and user management; Windows and Mac compatible

Microplate Data Acquisition and Analysis Software

AquaMax® Microplate Washers



Self-contained, 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

Microplate Washers

SpectraTest® ABS1, FL1, and LM1 Validation Plates



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

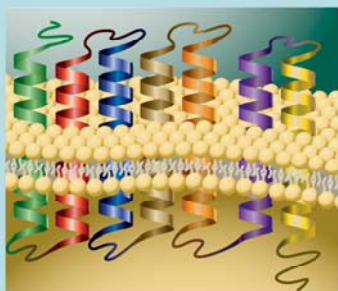
Multi-Mode Validation Plate for SpectraMax Paradigm and FilterMax Systems



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

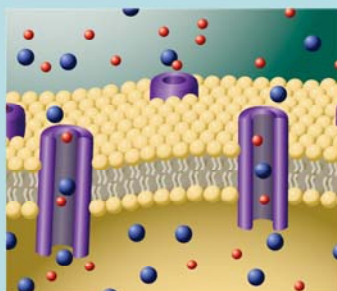
Bioassay Validation Tools

FLIPR® Calcium Assay Kits



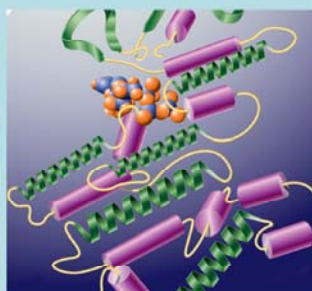
Live-cell assays to monitor GPCR calcium mobilization

FLIPR® Membrane Potential Assay Kits



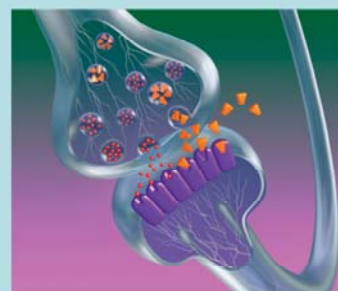
Cell-based assays to measure ion channel activity

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

Microplate Assay Reagents

GenePix® 4000B Scanner



User-adjustable resolution
5–100 $\mu\text{m}/\text{pixel}$, 2 filters, 2 lasers,
simultaneous scanning

GenePix® 4100A Scanner



User-adjustable resolution
5–100 $\mu\text{m}/\text{pixel}$, 8-position filter wheel,
2 laser choices, sequential scanning

GenePix® 4300A Scanner



User-adjustable resolution 5–100 $\mu\text{m}/\text{pixel}$,
user-accessible 16-position
filter wheel, 4 laser choices, sequential
scanning

GenePix® 4400A Scanner



User-adjustable resolution 2.5–100 $\mu\text{m}/\text{pixel}$,
user-accessible 16-position
filter wheel, 4 laser choices, sequential
scanning

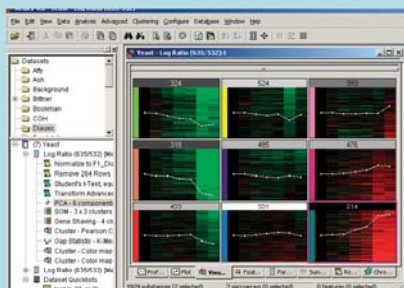
Microarray Scanning

GenePix® Pro Microarray Analysis Software



Operates all current GenePix® Microarray Scanners,
integrated image analysis, fast and accurate spot
finding, powerful analysis and visualization for
single arrays

Acuity® Microarray Bioinformatics Software



Scalable database for all microarray data, seamless
integration with GenePix® Pro Software, powerful
informatic algorithms, advanced statistics,
normalization, and visualization tools

Microarray Scanning Software

GenePix® SL50 Microarray Slide Loader



50-slide capacity, compatible with GenePix®
4300A and 4400A Scanners

Automation

Molecular Devices also offers:

- High-throughput cell-based screening systems
- Cellular imaging systems
- Automated and conventional electrophysiology systems
- OnSite service for life science products

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