

Multi-Mode Detection Platform



Molecular Devices announced the launch of its SpectraMax i3 Multi-Mode Detection Platform. The system is available as a stand-alone reader with the option for users to upgrade to additional applications and detection modes such as cellular imaging with the SpectraMax MiniMax Imaging Cytometer, and cartridges for Time-Resolved Fluorescence, Fluorescence Polarization, and AlphaScreen assays. The highly sensitive instrument accommodates the budget and throughput needs of both small and large laboratories alike. The SpectraMax i3 Platform's base system features an integrated optical system enabling top and bottom reads for 6 - 384 well microplates and launches with three broad detection modes: luminescence, absorbance, and fluorescence. Patented user-exchangeable cartridge design expands the system's detection capability making it highly versatile, and able to offer application options far exceeding those of standard readers. The MiniMax Imaging Cytometer module adds first of its kind cellular imaging to a multi-mode detection platform, enabling fluorescence and bright field cellular imaging. Combining cellular imaging with microplate-based applications offers new ways for scientists to compress their workflows and increase efficiency. Using a combination of a flash lamp for spectral flexibility and light emitting diodes (LEDs) for excitation power, Molecular Devices has developed the patent-pending Spectral Fusion Illumination to deliver wavelength flexibility whilst maximizing signal strength, ultimately increasing overall performance. Data from the SpectraMax i3 System is captured and analyzed using Molecular Devices' SoftMax Pro Software. The newly updated interface and Spectral Optimization Wizard simplifies the workflow and provides powerful data

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analysis features, eliminating the need for training on additional software. The SpectraMax i3 System is also available for use in GMP and GLP labs when used with the SoftMax Pro 6.3 GxP Microplate Data Compliance Software.

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