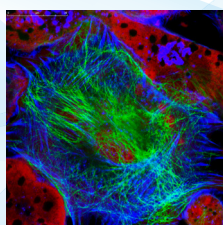
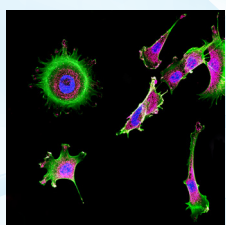
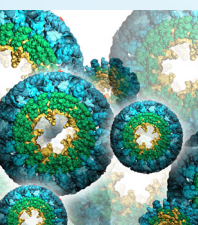




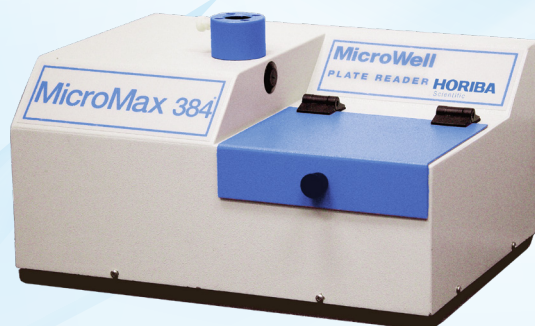
Micromax 384

Microwell Fluorescence Plate Reader



High speed • Flexible

ELEMENTAL ANALYSIS
FLUORESCENCE
GRATINGS & DEM SPECTROMETERS
OPTICAL COMPONENTS
CUSTOM SOLUTIONS
PARTICLE CHARACTERIZATION
RAMAN / AFM-RAMAN / TERS
SPECTROSCOPIC ELLIPSOMETRY
SPR IMAGING



High flexibility: Selection of the excitation and emission wavelengths in the full range of use of the fluorometer

For plates with up to 384 wells

Compatible with HORIBA FluoroMax[®], Nanolog[®] and Fluorolog[®] fluorometers

Fully automated through *FluorEssence™* Software

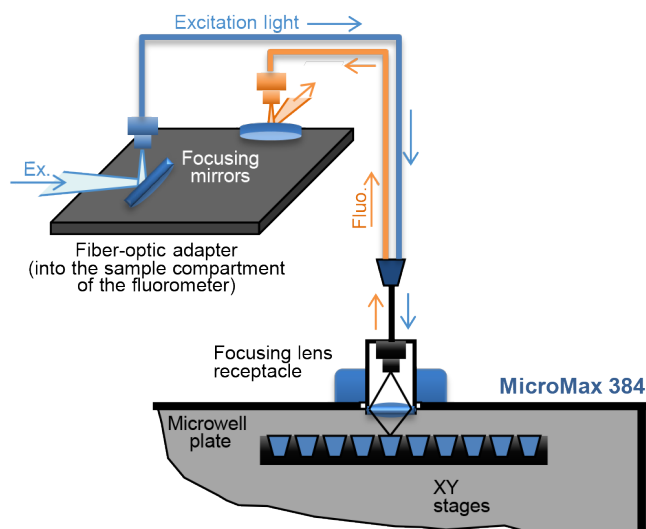
The **Micromax 384** is a top-reading microwell fluorescence plate reader accessory that is able to accept plates with up to 384 wells and connects to FluoroMax[®] or Fluorolog[®] spectrofluorometers for selectable excitation illumination and emission wavelength detection.

Micromax 384's high speed allows it to completely scan a 96 microwell plate in less than one minute. By moving the microwell plate through stationary optics, the Micromax 384 insures high sensitivity, excellent accuracy, and high reproducibility.

Light from the excitation and emission monochromators is carried via a fiber-optic bundle to and from the Micromax 384, thus the user may scan with the main spectrofluorometer and select any excitation and emission wavelength pair for intensity measurements.

All control of the Micromax 384 is automated through *FluorEssence™* software.

Custom selection of microwells on the plate is possible through the software.



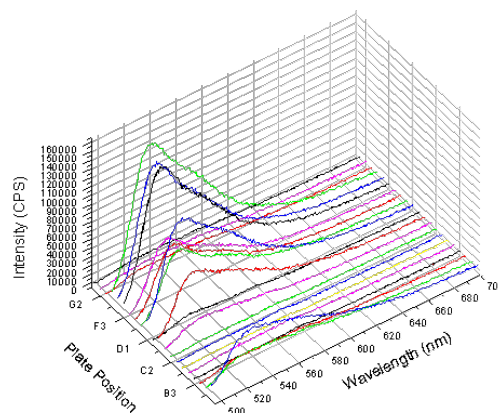
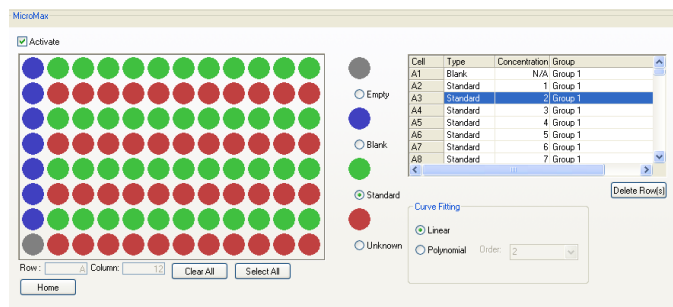
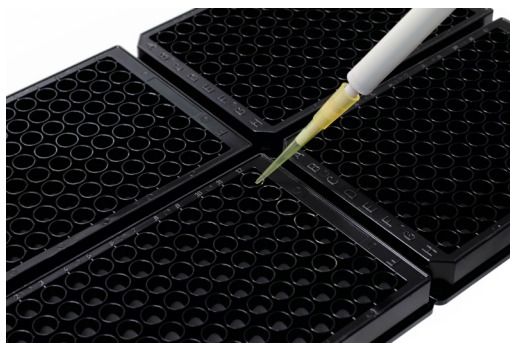
Optical coupling principle

Software Operation

FluorEssence™ applications specifically for the MicroMax 384.

The MicroMax 384 uses three applications within FluorEssence™:

- Real Time Display
- Run Experiment
- Constant Wavelength Analysis



Example of FluorEssence™ acquisition with the MicroMax 384

Specifications

Wavelength Range	Full range of spectrofluorometers: 250-850 nm (other wavelength ranges are available)
Microplate Acceptance	384 wells (24 X 16) and 96 well (12 x 8). For non-standard sizes, contact HORIBA Scientific Fluorescence Service
Speed	Scans 96 wells in less than 1 minute
Typical Sensitivity	25 pM fluorescein with Nanolog®-22 10 nM fluorescein with FluoroMax®
Fiber Optics	Bifurcated-slit-end bundles. 1m length. Randomized fiber distribution in bundle.
Dimensions (cm)	17.8 H X 30.5 W X 20.3 D
Electrical Specifications	110 VAC at 0.50 A and 60 Hz, single phase 220 VAC at 0.25 A and 50 Hz, single phase
Hardware Requirements	Fiber-optic adapter
Communication Interface	RS-232
Computer Requirements	Standard PC from HORIBA Scientific or equivalent computer with free RS-232 port
Software Requirements	Windows®, version #9 or higher FluorEssence™, version 2.1 or higher
Instrument Compatibility	Nanolog® and Fluorolog®-3 FluoroMax® Plus and previous versions 4, 3 and P (with appropriate fiber-optic adapter)
Certification	CE

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