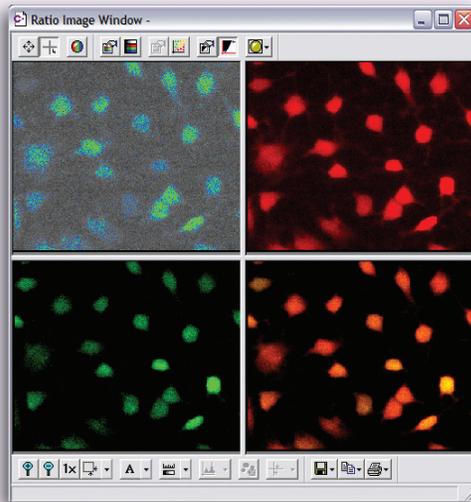


DIA

Expand the Possibilities with Dynamic Intensity Analysis

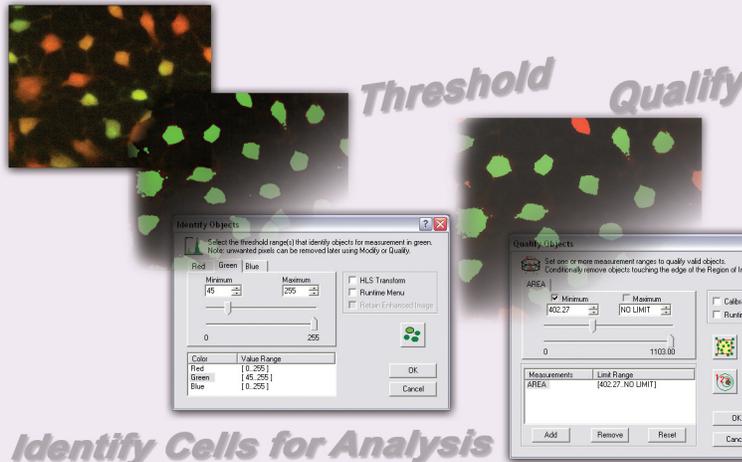
Dynamic Intensity Analysis (DIA) utilizes multi-threading for high speed processing and rapid measurement of cell intensity over time, while viewing images and data on a time graph. Measuring and plotting of data is available on-line or off-line, adding to the flexibility of this popular module. Event marking is possible during an experiment using interactive key presses or TTL signals for automatic tagging. DIA is ideally suited for live cell applications.

DIA is ideally suited for live cell applications.

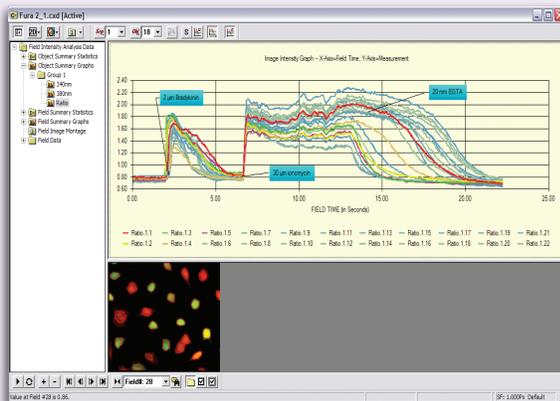
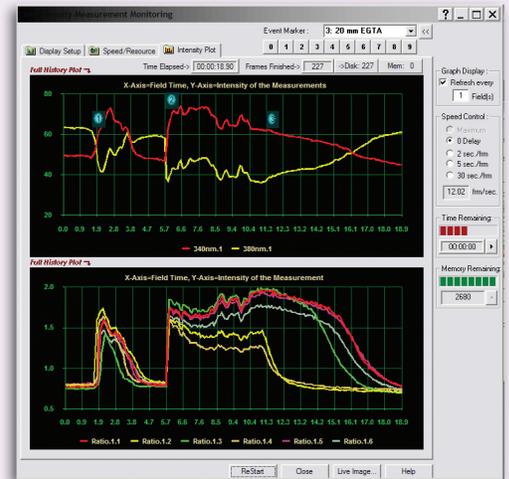


DIA Features:

- Acquire image sequences with dynamic Event marking and analysis during experiment
- Define objects with monochrome/color threshold, or graphical drawing tools
- Plot individual, multiple or average measurements over time
- Create custom measurements with built-in equation editor
- Process ratio image data for Ca⁺⁺, pH ratio and more
- High speed streaming of images for storage and analysis
- Interact between data plots and corresponding images



Identify Cells for Analysis



Dynamic Intensity Analysis (DIA) provides access to images and data in a data document for off-line analysis. Define Regions of Interest (ROI) over cells in the images to plot intensity change over time. Investigate critical details of an experiment by viewing a time course as an animation tightly linked to measured data, or expand detail by editing and adding more ROI. Custom measurements are available to deal with complex situations such as background correction to compensate on a field-by-field basis. Apply standard measurements and mathematical functions to customize special measurements to suit specific applications.

Applications:

- Quantify and visualize co-localization
- Mitochondria physiology
- FRET, FRAP and other dynamic measurements
- FURA2/BCECF excitation ratio techniques
- Indo/SNARF with sequential or simultaneous ratio techniques
- Fluo3 or many of the single wavelength probes