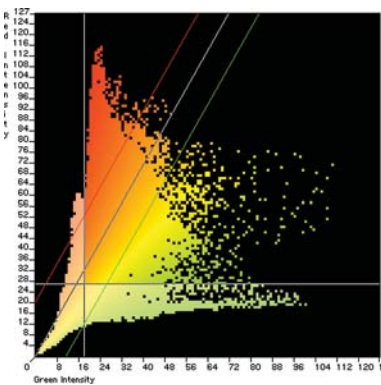


Fluorescence CV

Colocalization and Multi-Mode Imaging Visualization

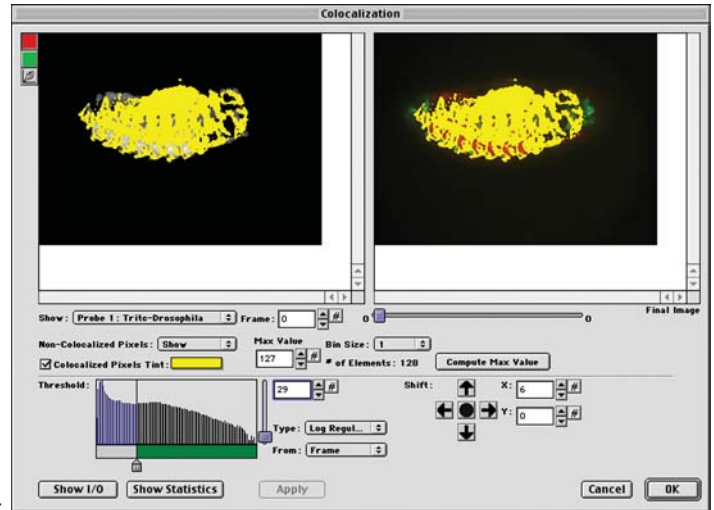
Colocalization

The Fluorescence CV extension provides a quick and easy way to measure the colocalization of different fluorescent probes. The extension can compare single images and/or sequences of images. In addition, Fluorescence CV provides more advanced tools for the reproducible measurement and analysis of colocalization experiments than provided for by simple ROI methods.



Scatter Plot with Thresholds

Complete with a split view window, Fluorescence CV allows a dynamic view of colocalized areas when different experiment parameters are adjusted. Fluorescence CV comes complete with full statistical analysis, data export, and scatter plots with relevant experimental parameters displayed.

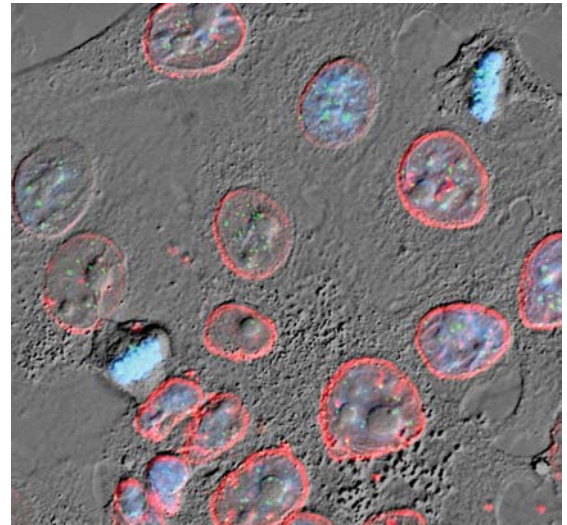


Colocalization Experiment

Color Join

The Color Join feature is used with multi-mode imaging experiments. Fluorescence CV can merge as many as nine fluorescence images and one bright-field image (DIC or phase) to make a single color image. This is in addition to the core program's three-channel capability.

Each fluorescent channel may be assigned a custom color to reflect the specific fluorescent probe used in the experiment. Color Join also supports the joining of multiple time-lapse image sequences or Z-stacks. Individual image channels may also be corrected by pixel shifting if required due to light path registration problems.



Four-Channel Merged Image

Line Profile

Fluorescence CV's Line Measure command lets you analyze the average or sum intensity values across thin or thick lines. Other features include the ability to take multiple line intensity measurements and generate normalized line data for evaluation of objects and particles.

Requires

Fluorescence CV requires IPLab for Macintosh version 3.6 or later.



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