

T-PMT

TRANSMITTED DETECTION MODULE

Laser Scanning Transmitted Detection Module with a Photon Counting PMT

T-PMT is a transmitted detection module with a photon counting PMT that works with inverted microscopes.

The module is installed beside the microscope transmission illumination lamp and features a manual slider for selecting between the PMT and the lamp illumination.



Transmitted Detection

The light focused by the objective passes through the specimen and is then collected by the condenser and focused by the lenses in the transmitted detection module onto the PMT.

When combined with the laser scanning and photon-counting image acquisition, the transmitted PMT provides images of the specimen in the transmission illumination mode with a great contrast and high sensitivity. It can be used in most transmitted light microscopy modes, such as phase contrast, DIC, dark field, or polarized light.

More importantly, the transmitted light images and confocal epifluorescence images (intensity & lifetime) can be acquired simultaneously using the same illumination beam, ensuring that all of the images are in registration.

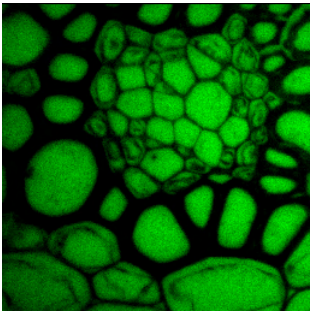


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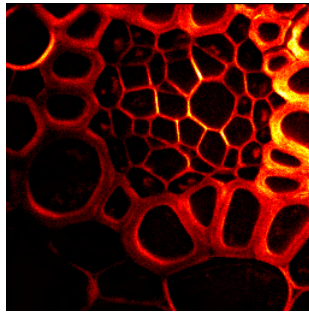
09/2021

IMAGING SAMPLES

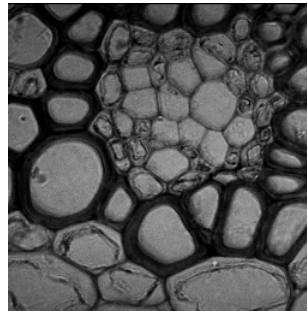
GREEN CHANNEL



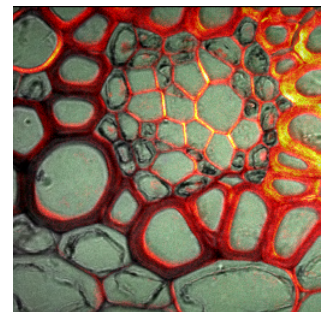
RED CHANNEL



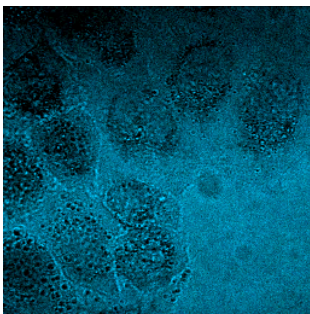
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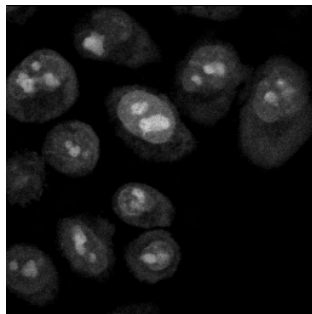
OVERLAY



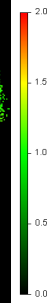
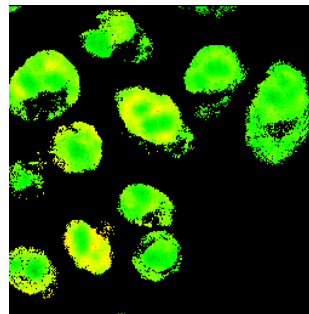
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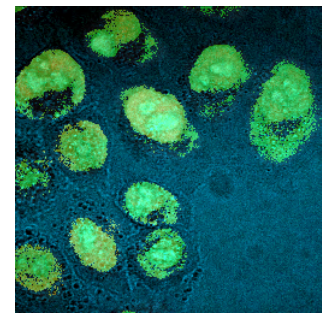
FLUORESCENCE INTENSITY



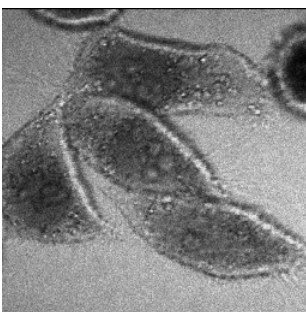
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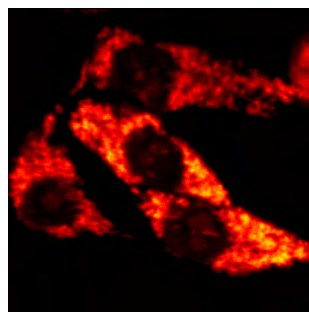
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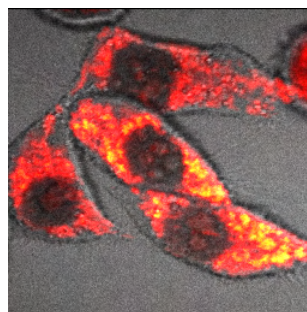
TRANSMISSION CHANNEL



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