

VisiScope Confocal with 2D-VisiFRAP Scanner

A compact and easy to handle system with simultaneous laser illumination for FRAP scanner and CSU confocal allows the simultaneous acquisition and display of confocal image with the FRAP bleaching as on-line overlay. No moving parts or optics are necessary because of a special optical design in the microscope.

VisiScope Confocal FRAP

Spinning Disk
CSU-X1



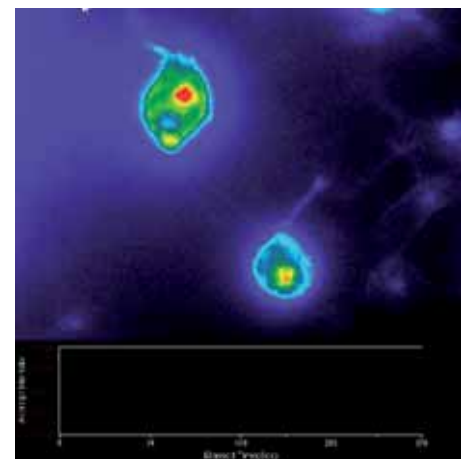
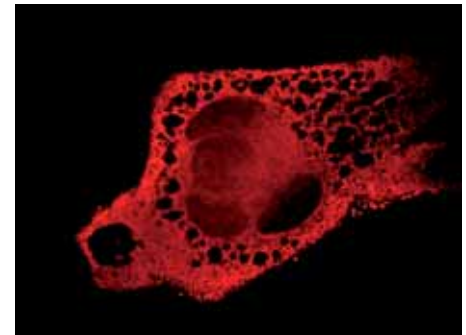
Zeiss Axio-Observer with 2D FRAP, CSU-X1 with dualcam.

Custom Imaging Solution

Our experience allows a flexible configuration of VisiScope Confocal FRAP based on our customer demands. This is useful because every application requires tailored laser, scientific grade cameras, microscopes and special optics.

Features

- » Support for Zeiss, Leica, Olympus and Nikon
- » Configuration for upright or inverted microscopes
- » Hardware autofocus support of Nikon PFS perfect focus, Zeiss definite focus, Olympus ZDC/ZDC2 and Leica AFC autofocus for drift compensation
- » Complete control of microscope motorization
- » Support of Photometrics, QImaging, Hamamatsu, PCO, DI-Spot scientific grade CCD cameras (Andor on request)
- » Microscope vibration free isolation tables

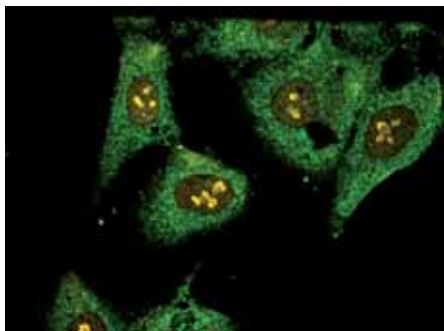
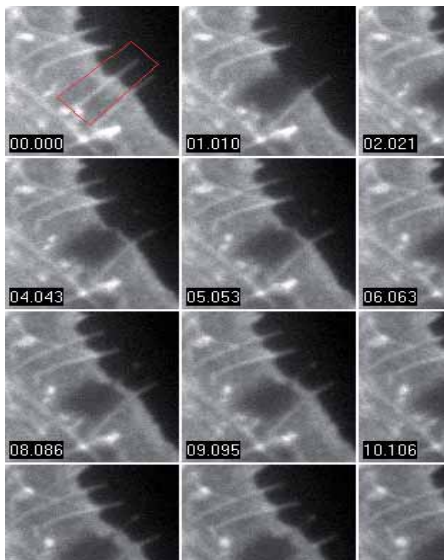


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VisiScope Confocal - FRAP Laser Combination

Our VS-LMS7 laser combiner with up to 7 laser lines, with integrated AOTF / AOM for rapid switching and blanking offers highest flexibility for all thinkable configurations. The VS-DOL multi laser output supports millisecond switching between up to three laser output ports for Confocal, FRAP or TIRF applications.



VS-LMS7 laser merge system with dual laser output for simultaneous confocal and FRAP.

Typically Used Laser Lines

405 nm, 445 nm, 473 nm, 488 nm, 515 nm, 532 nm, 561 nm, 594 nm and 640 nm



VS-LMS3 laser merge system with a Galvo dual laser output for confocal and FRAP.

2D-VisiFRAP Realtime Scanner with CSU Confocal Flexible Microscope Support

The VisiFRAP Confocal system is compatible with all modern infinity corrected microscopes from Zeiss, Olympus, Nikon and Leica. If microscopes need environmental control to keep constant conditions for the live cells, we recommend temperature and CO₂ control incubator. For vibration isolation of the microscope setup, the VisiScope can be equipped with an anti-vibration table and pneumatic vibration dampers for active level regulation.

VisiScope Confocal FRAP

Spinning Disk CSU-X1



VisiScope Confocal CSU-W1 system with anti-vibration table.



Nikon Ti microscope with PFS perfect focus and large XL incubation chamber, CSU-X1 with sCMOS PCO Edge.

Cells Need Perfect Climatic Conditions

The XL-series of large chamber incubation is a high performance solution for live cell applications over long time periods which are conducted at a constant temperature over the entire observation.

In addition, we are also offering small incubators, which give you maximum handling space, which covers every requirement. For the small incubation solution heatable frames and an objective heater are required. Heatable mounting frames are available in different formats e.g. universal frame for dishes and slides, multiplate frames etc.. The CO₂ system is also modular and the CO₂-Cover is designed to fit onto the selected sample frame.



Small incubation system with heating universal Labtek holder and heating CO₂-cover.