



Getting more with less Light - The new LSM 780

Spectral GaAsP Array Detector - Improved Sensitivity for Fluorescence Detection

Modern confocal microscopy is increasingly used for the investigation of living cells or tissues in various scientific fields such as signal transduction, neuropathology and developmental biology. The level of interference between the illumination of the sample and the processes to be observed due to bleaching, photo toxicity and heating needs to be kept at an absolute minimum.

The LSM 780 uses a new GaAsP spectral array detector with Peltier cooling which provides double the quantum efficiency in the green/orange range of the spectrum over standard PMT. This and further features, make the LSM 780 a universal imaging tool for high end live cell and tissue imaging.