

FLIM Measurement Using a Zeiss LSM710 with a FLIM and FCS Upgrade

This tutorial shows the recording of FLIM images using an LSM upgrade kit, in this case a Zeiss LSM710. In FLIM-measurements, the fluorescence lifetime of a component can be determined which can be used e.g.

- to distinguish different tissue or cell constituents
- to monitor concentration changes using a reporter dye
- To monitor interactions between two molecules via FRET.

The data acquisition is general principles of the data acquisition are analogous in all LSM upgrade kits.

Continue to

- [How to measure the Instrument Response function \(IRF\)](#)

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