

Zeiss LSM 510 NLO

Laser Excitation:

- Argon laser – 458 nm, 477 nm, 488 nm, 514 nm
- He-Ne lasers – 543 nm and 643 nm

Objectives:

- FLUAR 5X/0.25 D = 12.5 mm
- FLUAR 10X/0.5 D = 2.0 mm
- PLAN APO 20X/0.75 (DIC) D = 0.61 mm
- F-FLUAR 40X/1.3 OIL (DIC) D = 0.1 mm
- PLANAPO 63x/1.4 OIL (DIC) D = 0.18 mm

Dye Database – Check Zeiss LSM 510 software

Epi-Fluorescence:

Source – UV lamp and Halogen lamp

Filters – Dapi, FITC, Rhodamine

Bright Field:

DIC, Phase Imaging

Detectors:

4 PMTs

Warm-up time	Total z-drift	Difference in z compared to previous measurement	Drift per min. after warm-up time
Microscope is off	= zero point		
After 2 hours	- 7700 nm	7700 nm	< 64 nm/min
After 3 hours	- 9600 nm	1900 nm	< 32 nm/min
After 4 hours	- 10600 nm	1000 nm	< 16 nm/min
After 5hours	- 10900 nm	300 nm	< 5 nm/min