

Technical Specifications – LSM800

Objectives:

- o 10X/0.3 Plan-Apochromat. Brightfield (BF) and Nomarski (DIC II).
- o 20X/0.8 Plan-Apochromat. Brightfield (BF) and Nomarski (DIC II).
- o 25X/0.8 oil Plan-Apochromat. Brightfield (BF) and Nomarski (DIC III).
- o 40X/1.3 oil Plan-Apochromat. Brightfield (BF) and Nomarski (DIC III).
- o 63X/1.4 oil Plan-Apochromat. Brightfield (BF) and Nomarski (DIC III).

Other Objectives to be requested:

- o 25x (water). Brightfield (BF) and Nomarski (DIC III).
- o 25x (Glycerol). Brightfield (BF) and Nomarski (DIC III).
- o 40x (water). Brightfield (BF) and Nomarski (DIC III).
- o 63x (water). Brightfield (BF) and Nomarski (DIC III).
- o 100x (oil). Brightfield (BF) and Nomarski (DIC III).

Microscope Fluorescence Filters:

- o DAPI (G365 FT395 420-470) ([Set 49 Zeiss](#))
- o FITC (BP450-90 FT495 BP500-50) ([Set 38 Zeiss](#))
- o Cy3 (534-559 FT570 570-640) ([Set 43 Zeiss](#))

Optics: Brightfield, Nomarski and Fluorescence.

Diode Lasers: 405, 488, 561 and 640 nm.

Confocal Detectors:

- o Detector1 **GaAsP:** SP470, SP545 and SP620.
- o Detector2 **GaAsP:** LP575, SP620, LP655 and LBF640

In vivo System: Temp, CO₂, hardware Focus ([Definitive Focus 2.0](#)) and perfusion system

Softwar: ZEN Blue 3.3.89