

# **Technical Specifications – LSM710 Invertido**

## **Objectives:**

- o 10X/0.3 EC Plan-Neofluar M27. Brightfield (BF)
- o 25x/0.8 oil LCI Plan-Apochromat Imm Corr M27. Brightfield (BF)
- o 40x/1.30 oil EC Plan-Neofluar DIC M27. Brightfield (BF) and Nomarski (DIC III)
- o 63X/1.4 oil Plan-Apochromat DIC M27. Brightfield (BF) and Nomarski (DIC III)
- o 100x/1.40 oil Plan-Apochromat DIC M27. Brightfield (BF) and Nomarski (DIC III)

## **Other Objectives to be requested:**

- o 5x/0.16 (Dry)EC Plan-Neofluar M27. Brightfield (BF)
- o 25x/0.8 (Water) Brightfield (BF)
- o 25x/0.8 (Glycerol) Brightfield (BF)
- o 40x/1.2 (Water) C-Apochromat Corr UV-VIS-IR M27. Brightfield (BF) and Nomarski (DIC III)
- o 63x/1.2 (Water) C-Apochromat Corr UV-VIS-IR M27. Brightfield (BF) and Nomarski (DIC III)

## **Microscope Fluorescence Filters:**

- o GFP (Ex 450-490 Em 500-550) ([Set 38HE Zeiss](#))
- o CFP/DsRed (Ex 400-440/525-580 Em 460-510/590-710) ([55018 Chroma](#))

**Optics:** Brightfield, Nomarski and Fluorescence

## **Lasers:**

- o Diode 405 nm
- o Argon (Ar) 458/488/514 nm
- o DPSS 561 nm
- o Helium Neon (HeNe) 633nm

## **Confocal Detectors:**

- o Spectral Acquisition: [Quasar](#) + 2 PMTs
- o Detection Range: 370-760 nm

**In vivo System:** Temp, CO2 ([Cell Observer-Zeiss](#)) and perfusion system

**Software:** Zeiss Zen 2011 SP7 FP3 (Black)