

# **Technical specifications – LSM510 Vertical**

## **Objectives:**

- o 10X/0.3 Plan-Neofluar. Brightfield, Condenser Position (H)
- o 25X/0.8 oil Plan-Neofluar. Brightfield (H) and Nomarski (DIC II)
- o 40X/1.3 oil Plan-Neofluar. Brightfield (H) and Nomarski (DIC III)
- o 63X/1.4 oil Plan-Apochromat. Brightfield (H) and Nomarski (DIC III)
- o 100x/1.3 oil Plan-Neofluar. Brightfield (H) and Nomarski (DIC III)

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

- o 20X/0.5 (**dipping**) N-Achroplan. Brightfield (H) and Nomarski (DIC II)
- o 40X/1.0 (**dipping**) Plan-Apochromat. Brightfield (H) and Nomarski (DIC III)
- o 63X/1.0 (**dipping**) Plan-Apochromat. Brightfield (H) and Nomarski (DIC III)

## **Microscope Fluorescence Filters:**

- o CFP (426-446 FT455 460-500) ([Set 47 Zeiss](#))
- o FITC (BP450-90 FT 510 BP515-65) ([Set 10 Zeiss](#))
- o Texas-Red (534-559 FT570 570-640) ([Set 43 Zeiss](#))

**Optics:** Brightfield, Nomarski and Fluorescence

## **Lasers:**

- o Argon (Ar) 458/477/488/514 nm
- o Helium Neon (HeNe) 543nm
- o Helium Neon (HeNe) 633nm

## **Confocal Detectors:**

- o PMT1: LP475, LP505, LP520, LP560, BP560-615, LP650, LP585
- o PMT2: LP475, LP505, BP465-510, BP490-510, BP505-530, BP530-600, BP505-550
- o PMT3: LP505, LP520, LP560, LP585, BP560-615, BP585-615

**Software:** Zeiss LSM510 4.2