

# **Technical Specifications – LSM900**

## **Objectives:**

- o 5X/0.16 Plan- Neofluar. Brightfield (BF)
- o 10X/0.45 Plan-Apochromat. Brightfield (BF) and Nomarski (DIC II)
- o 20X/0.8 Plan-Apochromat. Brightfield (BF) and Nomarski (DIC II)
- 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 100x /1.4 oil Plan-Apochromat. Brightfield (BF) and Nomarski (DIC III).
- o 20X/0.5 (dipping) N-Achroplan. Brightfield (BF) and Nomarski (DIC II)
- o 40X/1.0 (dipping) Plan-Apochromat. Brightfield (BF) and Nomarski (DIC III)
- o 63X/1.0 (dipping) Plan-Apochromat. Brightfield (BF) and Nomarski (DIC III)

## **AxioImager 2 Microscope:**

### **LED (excitation):**

- o **Colibri 5** (385/30+ 469/38 + 555/30 + 631/33)

### **Fluorescence Filter:**

- o DAPI/GFP/Cand3/Cy5 (QBP 425/30+514/30+592/25+709/100) (**Set 90 HE LED Zeiss**)

**Optics:** Brightfield, Nomarski and Fluorescence.

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

## **Confocal Detectors:**

- o Detector 1 **GaAsP**: SP470, SP545 and SP620.
- o Detector 3 **GaAsP**: LP575, SP620, LP655 and LBF640
- o Detector 2 **GaAsP**

**Software:** ZEN Blue 3.4