

# **Technical Specifications – STELLARIS8 STED+FLIM**

## **Objectives:**

- o 20X/0.75 Plan-Apochromat. Brightfield (A) y Nomarski. [AFC](#)
- o 40X/1.3 oil Plan-Apochromat. Brightfield (A) y Nomarski (DIC N2). [AFC](#)
- o 63X/1.4 oil Plan-Apochromat. Brightfield (A) y Nomarski (DIC N2). [AFC](#)
- o 86X/1.2 Water Plan-Apochromat. **STED**. Brightfield (A) y Nomarski (DIC N2). [AFC](#)
- o 100X/1.4 oil Plan-Apochromat. **STED**. Brightfield (A) y Nomarski (DIC N2). [AFC](#)

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

- o 10X/0.4 Plan-Apochromat. Brightfield (A) y Nomarski (DIC N2). [AFC](#)

## **DMi8 Microscope:**

### **LED (excitación):**

- o [LED3](#) (390-680nm)

### **Fluorescence Filters:**

- |                    |       |            |
|--------------------|-------|------------|
| o DAPI (Ex375-435  | DC455 | Em450-490) |
| o GFP (Ex460-500   | DC505 | Em512-542) |
| o TRITC (Ex541-551 | DC560 | Em565-605) |

**Optics:** Brightfield, Nomarski y Fluorescencia.

## **Lasers:**

- o 405 Diode
- o **White Light Laser** (440-790nm)
- o Depletion Laser 775 (**STED**).

## **Confocal Detectors:**

- o 2 x HyDs
- o 2 x HyDx

**In vivo system:** T<sup>a</sup>, CO<sub>2</sub>, hardware focus ([Adaptive Focus Control \(AFC\)](#)).

**Software:** LAS X 4.2.0.23645