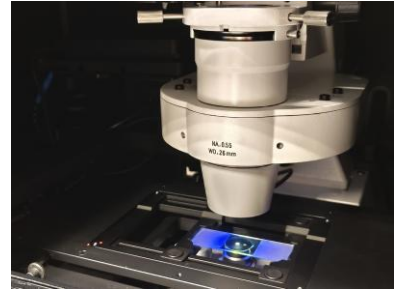
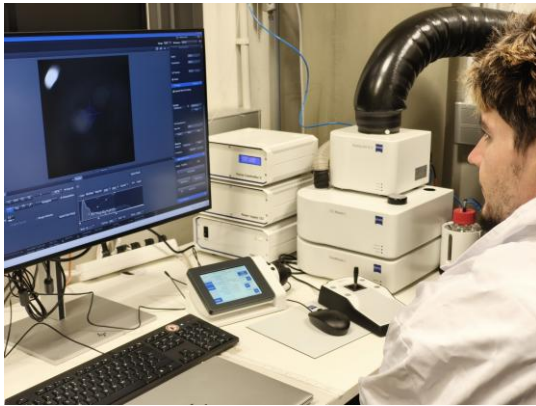


**Manufacturer**  
Zeiss

**Model**  
Axio Observer 7



## Wide Field microscope



### Wide Field imaging

The Axio Observer 7 is a motorized wide field microscope, equipped with the most used light sources for applications in biology, medicine and materials.

Our instrument counts with a high speed and highly sensitive camera for delicate experiments, long distance objectives, to image large sample as organoids, tissue, microfluidic devices, etc. and a combination of autofocus and position recorder systems for the planification of long-term non-supervised experiments.

It allows:

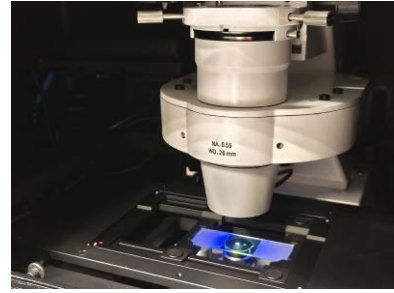
- Fluorescence imaging
- Brightfield imaging (DIC and Phase contrast)
- Large sample imaging
- Long term experiments

### Technical specifications:

- Fluorescence LED sources:
  - 385nm
  - 470nm
  - 555nm
  - 630nm
- Fluorescence filter sets:
  - QBS 405
  - QBS 493
  - QBS 575
  - QBS 653
- Plan-Apochromatic objectives:
  - 10x Pln Apo. NA 0.45. DIC II
  - 20x LD PlnN. NA 0.4. DIC II – LONG DISTANCE Objective
  - 20x Pln Apo. NA 0.8. DIC II
  - 40x Pln Apo. NA 1.4. Oil DIC III
  - 63x LD LCI Pln Apo. NA 1.2. Oil DIC III – LONG DISTANCE objective
  - 100x Pln Apo. NA 1.4. Oil DIC II

**Manufacturer**  
Zeiss

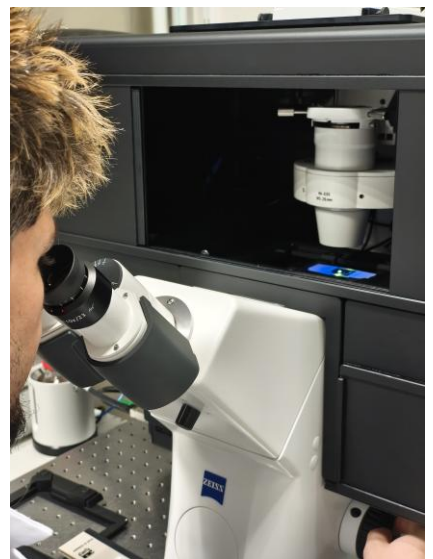
**Model**  
Axio Observer 7



## Wide Field microscope

### Technical specifications:

- Definite Focus module
  - Together with the Autofocus software package allows programming long time experiments without supervision.
- Camera KINETIX-22MM-M with:
  - 5.76 Mega pixels
  - Sensor size: 15,6 mm x 15,6 mm
  - Refresh rate: 118fps in the Sensitivity mode (12bit, read noise < 1,2e-)
  - Maximum quantum efficiency of 95% and Linearity of 99%
- Incubation system:
  - For cell cultures with optimal temperature and humidity conditions and also CO<sub>2</sub>/O<sub>2</sub> control system.
  - Inserts for:
    - Microscope slides (maximum length 120 mm)
    - Petri dishes (between 24 mm and 92 mm approx.)
    - Multiwell plates
- Software acquisition: ZEN Blue 3.12 imaging software



### Equipment financed by: