

Zeiss Practicum- Axio Observer 7



Location: 5519

Stand

Zeiss Axio Observer 7, inverse, fully motorized

Objectives

- Plan-Neofluar 5x/0.15 RMS
- EC Plan-Neofluar 10x/0.3 RMS
- LD Plan-Neofluar 20x/0.4 Ph2 M27
- LD Plan-Neofluar 40x/0.6 Ph2 M27
- Plan-Apochromat 63x/1.4 Oil DIC RMS
- Plan-Neofluar 100x/1.3 Oil RMS

Illumination

- Colibri 7 (7-channel fluorescence lamp)
- VIS-LED

Filters (widefield illumination/viewing)

- ZEISS Filter set 90 HE LED:
e.g. DAPI, FITC, TRITC, Cy5 (Ex: 385, 475, 555, 630; Em QBP: 425/30, 514/30, 592/25, 709/100)
- ZEISS Filter set 91 HE LED:
e.g. CFP, YFP, mCherry (Ex: 430, 511, 590; Em TBP: 467/24, 555/25, 687/145)
- Zeiss Filter set 92 HE LED:
e.g. DAPI, GFP, mCherry (Ex: 385, 475, 590; TFT 405 + 493 + 610; Em: TBP 425/30, 524/50, 688/145)

Detection Systems

- Orca Flash 4.0 V3
- Axiocam 208 color

Stage/Inserts

- Scanning Stage 130x100 PIEZO (D)
- Inserts for slides, dishes and plates (6-well, 96-well,...)

Software

- ZEISS ZEN blue 3.1 pro running on Windows 10 - 64-bit

Environmental Control

Pecon heating and temperature control (inserts for 35mm dishes and 6well plates available)