

Specifications IncuCyte ZOOM Live-Cell Analysis System

For easy imaging and analyzing live cells over days to months inside an incubator

OBJECTIVES

(Only one objective in the instrument, can be changed upon request)

- 20x: Image Resolution: 0.61 microns/pixel
- 10x: Image Resolution: 1.22 microns/pixel (standard)

FLUORESCENCE FILTERS

- Green:
Excitation Wavelength: 460 nm; Passband: [440,480] nm
Emission Wavelength: 524 nm; Passband: [504,544] nm
- Red:
Excitation Wavelength: 585 nm; Passband: [565,605] nm
Emission Wavelength: 635 nm; Passband: [625,705] nm

BRIGHTFIELD

- HD Phase imaging in grey values

DETECTION

- Camera Type: Basler Sca 1329x1040 px 12 bit
- Sensor Type: Sony ICX285 CCD
-

STAGE / INCUBATION

- Temp, CO2 controlled environment, whole instrument is installed inside a Panasonic MCO-230AIC incubator
- Stage can hold six multi well plates at the same time. The stage is fixed, a microscope unit is travelling underneath it for scanning (parts of) the wells. 2d only.

SOFTWARE

- The IncuCyte can be controlled from any networked location using unlimited, free licenses to be obtained at UMIC
- Basic analysis software included

