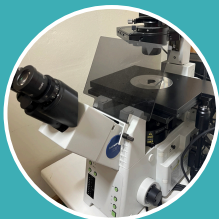


Olympus IX81 inverted - Technical specs



Olympus IX81 is a fully motorised inverted widefield microscope equipped with colour and monochrome cameras, supporting brightfield, phase contrast, DIC and fluorescence imaging. It is particularly well suited for live-cell imaging, multiwell plates, Petri dishes, offering great flexibility in sample format.

Imaging modalities and features

Brightfield | Phase Contrast | DIC | Fluorescence
Multichannel | Multiposition | Z-stack | Wells
Motorised XY and focus



Objectives

4x/0.13 UPlan FL N
10X/0.30 Uplan FL N
20X/0.50 UPlan FL N
40X/0.60 LUCPLAN FL LWD Ph2
60X /0.70 LUCPLAN FL LWD
60X/1.42 oil UPLanXApo



Fluorescence Illumination & filter sets

CoolLED pE-300white fluorescence

DAPI (U-MNU2) | Ex BP 360–370 | DM 400 | Em 420

FITC (U-MSWB2) | Ex BP 420–480 | DM 500 | Em 520IF

PI (U-MWG2) | Ex BP 510–550 | DM 570 | Em 590

TRITC (U-MWIG3) | Ex BP 530–550 | DM 570 | Em 575IF

Texas Red (U-MWIY2) | Ex BP 545–580 | DM 600 | Em 610IF

Cameras

DP23 colour CMOS | 6.4 MP | pixel 2.4 μm

ORCA-SPARK monochrome CMOS | 2.3 MP | 65 fps | pixel 5.86 μm

Software

CellSens Dimension 4.3 with AI count & measure