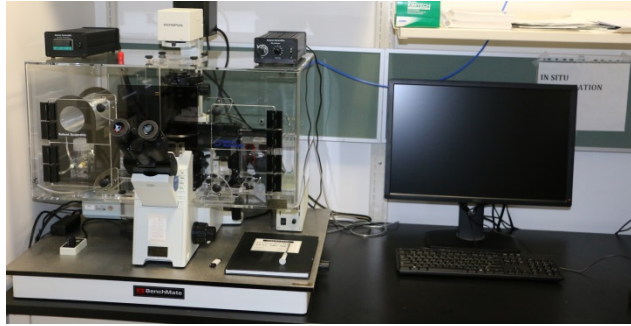


Olympus Epifluorescence Microscope with Chamber



An epifluorescence microscope system enclosed by an environmental chamber facilitating both a temperature and CO₂ controlled environment for live cell imaging.

Microscope	Olympus IX51 inverted microscope
Objectives	Fluorescence and Phase Contrast: 4x, 10x, 20x, 40x and 60x and 60x oil
Filter Cubes	DAPI (Brightline 5060C-000): Ex G365nm, Di 395nm, Em BP 45/50nm TRITC (Brightline B-000): Ex BP 470/40nm, Di 495nm, Em BP 525/50nm FITC (Brightline 3540C-000): Ex BP 550/25nm, Di 570nm, Em BP 605/70nm mCherry (Brightline mcherry-c-omf) Ex BP 562/40nm, Di 593nm, Em BP 641/75nm Custom Fret (GFP/RFP)
Automation	All manual
Illumination	Fluorescence: X-Cite Q Series 120 PC Mercury Lamp; 2000 hrs.
Camera	Q-Imaging Retiga-2000RV Fast 1394 monochrome CCD camera.
Software	TBA
Other	Solent Scientific environmental chamber and temperature/CO ₂ enrichment modules.
Applications	<ul style="list-style-type: none"> - <i>Live cell fluorescent imaging under a temperature and CO₂ controlled environment.</i> - <i>Conventional epifluorescent imaging of immunocytochemically and immunohistochemically prepared specimens.</i> - <i>Custom filters for FRET using GFP/RFP1 and CFP/YFP donor/acceptor pairs.</i>