

## Zeiss Epifluorescence Microscope



*An epifluorescence microscope configured for both fixed and live cell work.*

<b>Microscope</b>	Zeiss AxioObserver.Z1 inverted microscope.
<b>Objectives</b>	Fluorescence: 10x, 20x, 40x and 40x oil
<b>Filter Cubes</b>	DAPI (Filter Set 49): Ex G365 nm, Di 395 nm, Em BP 445/50 nm GFP (Filter Set 38HE): Ex BP 470/40 nm, Di 495 nm, Em BP 525/50 nm Cy3 (Filter Set 43HE): Ex BP 550/25 nm, Di 570 nm, Em BP 605/70 nm Tx Red (Filter Set 45): Ex BP 560/40 nm, Di 585 nm, Em BP 630/75 nm
<b>Automation</b>	Stage, Objective Turret, Filter Turret
<b>Illumination</b>	Fluorescence: HXP 120 UV-Lamp; 2000 hrs.
<b>Camera</b>	Axiocam 506 monochrome CCD camera.
<b>Software</b>	Zen Blue (Zen 2 Pro) Image Acquisition and analysis software.
<b>Other</b>	Pecon stage top humidified incubation chamber with temperature, CO <sub>2</sub> and O <sub>2</sub> control modules for live cell imaging.
<b>Applications</b>	- <i>Conventional epifluorescent imaging (photodocumentation) of immunocytochemically or immunohistochemically prepared specimens.</i> - <i>Pecon stage insert incubator for long term live cell imaging using petri plates or chamber slides in a humidity, temperature, O<sub>2</sub> and CO<sub>2</sub> controlled environment.</i>