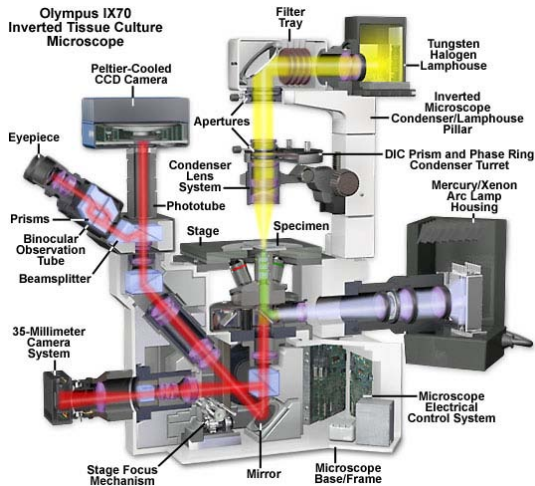


# Olympus IX70

## Start-up

1. Sign-in on the log (you should already have a reservation)
2. Turn on the mercury burner if you are using it.
3. Turn on the microscope and establish Köhler illumination
4. Turn on the computer and turn on the camera and start the camera software



## Shut-down

1. **Check in the online system to confirm that no other users will be on within the hour.**
2. Turn off the camera software and camera
3. Shut-down the computer
4. Turn off the microscope – return to the 4x objective
5. Turn off the mercury burner if you used it
6. Sign-off in the logbook

Objectives	Mag/N.A.		Resolution
			$R=0.61*\lambda/NA$ obj
UPlanFL	4x/0.13	∞/-	2.581 μm
UPlanFL	10x/0.30	Ph1	1.118 μm
LCPlanFLN	20x/0.40	Ph1	0.839 μm
LCPlanFLN	40x/0.60	Ph2	0.559 μm

LC -= Long working distance

U = Universal (Brightfield, Darkfield, DIC, and Polarized Light

PlanFI = plan-semi-apochromat = corrected for four colors chromatically and spherically

UPlanFLN Product Description - These objectives also provide flat images from high transmission factors up to the near infrared region of the spectrum through the employment of UW multi-coating. With their high S/N ratio, excellent resolution and high contrast imaging, they are especially effective in brightfield and Nomarski DIC observations.

Cube	Excitation Filter(nm)	Dichroic Mirror(nm)	Emission Filter
U-MNUA2	Ultraviolet (360-370)	400	Bandpass (420-460)
U-MWIBA2	Blue (460-495)	505	Bandpass (510-550)
U-MWIG2	Green (530-550)	565	Interference (>570IF)