

Biointerfaces Institute – Microscopes (Olympus) – Filter Summary

Camera*	Camera Adaptor**	Orientation	Model	BI:XX	Filters				
					Position	Label	EX filter range	EM filter range	
Greyscale (monochromatic) OR Colour	0.5X	Upright	BX53	BI:4D	1	BF	---	---	
					2	DAPI	381-392	417-477	
					3	FITC	475-495	512-536	
					4	TXRED	542-582	604-644	
	OR	OR	Inverted	IX51	BI:4W	5	Cy5	608-648	672-712
						6	N-IR	730-763	794-806
						7	Rh	354-366	525-574
						8	PI (TritC)	532-552	594-646
OR	1X	Inverted	IX51	BI:4W	1	BF	---	---	
					2	DAPI	381-392	417-477	
					3	FITC	475-495	512-536	
					4	TXRED	542-582	604-644	
					5	448x/623e	448	623	
					6	--	---	---	

*Cameras are interchangeable

- Monochromatic is best used for fluorescence imaging

**Camera Adaptors are interchangeable

- 0.5x is used to widen camera view; it cuts objective value in half in software

**Equipment changes must be performed by a qualified BI Technician.
To change cameras and/or adaptors, prior permission is required,
and may require both instruments being booked simultaneously.**