

Combination of Laser Lines, Excitation-Spectral and Emission-Barrier Filters of the Confocal Systems in UNL Microscopy Core

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Confocal Systems	Laser & excitation line(s)	Excitation Filter(s)	Emission/Barrier Filter(s)	Pseudocolor & Combination
Olympus FV500 System on BX61 or IX81 scope	LD, 405	405	430-460	Blue
	Ar, 488	488	505-550	Green
	HeNe (G), 543	543	560-610	Red
	HeNe (R), 633	633	660-700	Deep Red
<i>Both FV500 systems can be configured using different excitation and emission filters for imaging analysis of 2-4 color labeling</i>				
Nikon A1 system on 90i scope	LD, 404.9	405	425-475	Blue
	Ar, 488	490	500-530	Green
	LD, 561.5	560	560-617	Red
	LD, 640.7	640	663-738	Deep Red
<i>With two filter wheels, the A1 system can be easily configured using different filter sets for imaging analysis of at least 4 color labeling</i>				