

FLUOVIEW - FILTER COMBINATION

Revised: 6/20/2007

BLUE / GREEN / RED and GREEN / RED / FAR RED settings

If using the Four- Pass DM --> Emission DM settings are (roughly) the same.

CHECK THIS		MISR STAFF ONLY	CHECK THIS				Comments	
Fluorescence Emission	Laser Line Selection	Excitation DM	Emission DM	CH1		CH2		
				Filter-A 430-460	Filter-B 505-525	Filter-C 605BP(578-623)		Filter-D 660LP
Blue Only	405	1	"1" OR "2" = IN	IN	OUT	IN	OUT	
Green Only	488	1 OR 2		OUT	IN	IN	OUT	
Red Only	543	1 OR 2	"1" = OUT or "2" = MID	IN	OUT	IN	OUT	
Far Red Only	633	2	"2" = OUT	IN	OUT	OUT	IN	
Blue / Green	405/488	1	1 or "2" = IN	Acquire blue image with "BLUE ONLY" setting and green image with "GREEN ONLY" setting & merge images				
Blue / Red	405/543	1		IN	OUT	IN	OUT	
Green / Red	488/543	1 OR 2		OUT	IN	IN	OUT	
Green / Far Red	488/633	2		OUT	IN	OUT	IN	
Red / Far Red	543/633	2	Acquire each "color" [image] according to its respective individual setting (See Above) & merge the images					
Blue / Green / Red	405/488/543	1						
Green / Red / Far Red	488/543/633	2						

* For advanced users

CFP/YFP (FRET) setting

CHECK THIS		MISR STAFF ONLY	CHECK THIS				Comments	
Fluorescence Emission	Laser Line Selection	Excitation DM	Emission DM	CH1 (CFP)		CH2 (YFP)		
				Filter-A 465-495	Filter-B	Filter-C 535-565		Filter-D
CFP Only	405	FRET	"1" = MID	IN	OUT	IN	OUT	
YFP Only	515			IN	OUT	IN	OUT	
CFP / YFP	405/515			IN	OUT	IN	OUT	