

Cytometer Fluorochrome Compatibility Reference

**BD X-20:**

Laser (Excitation)	Axis Label in Diva	Bandpass Filter	Common Fluorophores	Viability Dyes	Nuclear Dyes	Cell Cycle/Proliferation
405	<b>BV421</b>	450/50	BV421, Pacific Blue, VioBlue, Alexa405, Calciem Blue	FVS450*, SYTOX Blue, Zombie Violet*	DAPI	VPD450, CellTrace Violet, DyeCycle Violet
405	<b>BV510</b>	525/50	BV510, Pacific Green, AmCyan	FVS510*, Zombie Aqua*		
405	<b>BV605</b>	610/20	BV605, Pacific Orange	Zombie Yellow*		
488	<b>FITC</b>	530/30	FITC, Alexa488, GFP, Calciem, DHR, BB515, DCF, DiO dyes	FVS520*, Live/Dead Green*, SYTOX Green, Zombie Green*		CFSE, Dye Cycle Green
488	<b>PE</b>	575/25	PE			
488	<b>PE CF594</b>	610/20	PE-CFS594	PI, 7AAD		
488	<b>PE Cy5.5</b>	695/40	PECy5.5, PerCP Cy5.5, PerCP	7AAD	LDS751	
488	<b>PE Cy7</b>	780/60	PECy7		LDS751	
640	<b>APC</b>	670/30	APC, Alexa647, Alexa660, Alexa 680, DiD	Live/Dead Far Red*, FVS660*, SYTOX red	Draq5	Dye Cycle Ruby
640	<b>APC Cy7</b>	780/60	APC-Cy7, APC-H7	Zombie NIR*		

\*Fixable

MACS Quant:

Laser (Excitation)	Axis Label Quantify	Bandpass Filter	Common Fluorophores	Viability Dyes	Nuclear Dyes	Cell Cycle/ Proliferation
405	V1	450/50	BV421, Pacific Blue, VioBlue, Alexa405, Calcién Blue	FVS450*, SYTOX Blue, Zombie Violet*	DAPI	VPD450, CellTrace Violet, DyeCycle Violet
488	B1	525/50	FITC, Alexa488, GFP, Calcién, DHR, BB515, DCF, DiO dyes	FVS520*, Live/Dead Green*, SYTOX Green, Zombie Green*		CFSE, Dye Cycle Green
488	B2	585/40	PE			
488	B3	655-730	PE-Cy5.5, PerCP, PerCP-Cy5.5, PE-CFS594	PI		
488	B4	750LP	PECy7	7AAD	LDS751	
632	R1	655-730	APC, Alexa647, Alexa660, Alexa 680, DiD	Live/Dead Far Red*, FVS660*, SYTOX red	Draq5	Dye Cycle Ruby
632	R2	750LP	APC-Cy7, APC-H7	Zombie NIR*		

\*Fixable

**FACS Calibur:**

<b>Laser (Excitation)</b>	<b>Axis Label in CellQuest</b>	<b>Bandpass Filter</b>	<b>Common Fluorophores</b>	<b>Viability Dyes</b>	<b>Nuclear Dyes</b>	<b>Cell Cycle/ Proliferation</b>
488	<b>FL1</b>	530/30	FITC, Alexa488, GFP, Calciin, DHR, BB515, DCF, DiO dyes	FVS520*, Live/Dead Green*, SYTOX Green, Zombie Green*		CFSE, Dye Cycle Green
488	<b>FL2</b>	585/42	PE			
488	<b>FL3</b>	670LP	PECy5.5, PerCP Cy5.5, PerCP, PC-Cy7, PE- CFS594	PI, 7AAD	LDS751	
635	<b>FL4</b>	661/16	APC, Alexa647, Alexa660, Alexa 680, DiD	Live/Dead Far Red*, FVS660*, SYTOX red	Draq5	Dye Cycle Ruby

\*Fixable