

Fluorochromes

Ultraviolet		
Channel	Fluorochrome	Antigen
UV1	SparkUV387	
UV2	BUV395, StarBUV400	
UV3		
UV4	StarBUV445	
UV5		
UV6	eF455, Alexa350	
UV7	BUV496*, StarBUV510	
UV8		
UV9	BUV563*, StarBUV575	
UV10	BUV615*, StarBUV605	
UV11	BUV661*, StarBUV665	
UV12		
UV13		
UV14	BUV737*, StarBUV740	
UV15	StarBUV795	
UV16	BUV805*	

Violet		
Channel	Fluorochrome	Antigen
V1	BV421, StarBV440	
V2	Alexa405, cF420, SparkViolet423	
V3	eF450, VioBlue, PacB, cF450	
V4	StarBV475	
V5	BV480, StarBV515, SparkViolet500	
V6		
V7	BV510, VioGreen, KromeOrange, eF506	
V8	BV570*, cF574, SparkViolet538, StarBV570	
V9		
V10	BV605*, cF610, StarBV610	
V11	BV650*, StarBV670	
V12		
V13	BV711*, StarBV710	
V14	BV750*, StarBV760	
V15	BV785*, BV786*, StarBV790,	
V16		

Blue		
Channel	Fluorochrome	Antigen
B1	BB515, VioB515, Vio515, cFB515, SparkBlue515	
B2	Alexa488, FITC, cFB515, cFB532	
B3	Alexa532, SparkBlue550, cFB548, eF520, VioBrightFITC	
B4	SparkBlue574, StarBB580	
B5		
B6	BB630*, StarBB615	
B7	BB660*	
B8	PerCP, StarBB675	
B9	PerCPCy55*, BB700*, cFB690*, StarBB700, RealBlue705	
B10	PerCPCy710*, PerCP-Vio700*	
B11	RealBlue744	
B12	BB755*, PerCP-Fire780*, StarBB765	
B13	RealBlue780	
B14	BB790*, PerCP-Fire806*, StarBB810	

Note: just because fluorochromes have a different peak channel does not mean automatically you can use them together. Always check complexity index for your panel and be careful with combinations of fluorochromes that have peak channels very close to each other.

Shortform	Label	Company
cF	cFluor	CYTEK
	BB	BD
	BUV	BD
	BV	BD, Biolegend
	Real	BD
	Spark	Biolegend
CT	CellTrace	Thermo Fisher (Molecular Probes)
eF	eFluor	Thermo Fisher (eBiosciences)
Vio	Vio	Miltenyi Biotech
Cy	Cyanin	Molecular Probes
StarB	StarBright	Bio Rad

note: there are many more fluorochromes on the market

YellowGreen		
Channel	Fluorochrome	Antigen
YG1	PE, cFBYG575, cFYG584, SparkYG570, SparkYG581, eF570, Alexa546, Alexa555, Alexa561, Cy3, RealYellow586, StarBY575	
YG2	SparkYG593, StarBY605	
YG3	PE-CF594*, PEDazzle594, PE-TexasRed*, ECD, PE-eF610, Alexa594, cFYG610, cFBYG610*, eF615, Alexa568, PE-Dazzle594*, PE-Vio615*	
YG4	PE-Alexa610*, PE-Fire640*	
YG5	PECy5*, cFBYG667*, StarBY665	
YG6	cFYG680	
YG7	PECy55*, PE-Alexa700*, cFBYG710*, PE-Fire700*, StarBY720	
YG8	cFBYG750	
YG9	PECy7*, cFBYG781*, PE-Vio770*, StarBY800	
YG10	PE-Fire810*	

Red		
Channel	Fluorochrome	Antigen
R1	APC, cFR659, StarBR670	
R2	Alexa647, APC, cFR668, eF660, Vio667, VioBright667	
R3	APC-Cy55*, SparkNIR685, cFR685, Alexa660	
R4	Alexa700, APCR700*, cFR720, Alexa680, APC-Alexa700*, Red718, StarBR715	
R5	SparkRed718	
R6	Alexa790	
R7	APCCy7*, APCeF780*, APCH7*, cFR780*, eF780, Alexa750, APC-Alexa750*, APC-C750*, APC-Fire750*, APC-Vio770*, StarBR775	
R8	APC-Fire810*, cFR840*, StarBR815	

* = tandem-dye

Fluorescent proteins

Ultraviolet		
Channel	Fluorochrome	Antigen
UV1		
UV2		
UV3		
UV4		
UV5		
UV6		
UV7		
UV8		
UV9		
UV10		
UV11		
UV12		
UV13		
UV14		
UV15		
UV16		

Violet		
Channel	Fluorochrome	Antigen
V1		
V2		
V3		
V4		
V5	CFP	
V6		
V7		
V8		
V9		
V10		
V11		
V12		
V13		
V14		
V15		
V16		

Blue		
Channel	Fluorochrome	Antigen
B1	GFP, eGFP	
B2		
B3	YFP	
B4		
B5		
B6		
B7		
B8		
B9		
B10		
B11		
B12		
B13		
B14		

YellowGreen		
Channel	Fluorochrome	Antigen
YG1	RFP, tdTomato, dsRed	
YG2		
YG3	mCherry	
YG4	mKate	
YG5		
YG6		
YG7		
YG8		
YG9		
YG10		

Red		
Channel	Fluorochrome	Antigen
R1		
R2		
R3		
R4		
R5		
R6		
R7		
R8		

Celltrace proliferation

Ultraviolet		
Channel	Fluorochrome	Antigen
UV1		
UV2	CTBlue	
UV3		
UV4		
UV5		
UV6	CTCalceinBlue	
UV7		
UV8		
UV9		
UV10		
UV11		
UV12		
UV13		
UV14		
UV15		
UV16		

Violet		
Channel	Fluorochrome	Antigen
V1		
V2		
V3	CTViolet	
V4		
V5		
V6		
V7		
V8		
V9		
V10		
V11		
V12		
V13		
V14		
V15		
V16		

Blue		
Channel	Fluorochrome	Antigen
B1	CTCalceinGreen	
B2	CTGreenCMFDA, CFSE	
B3		
B4		
B5		
B6		
B7		
B8		
B9		
B10		
B11		
B12		
B13		
B14		

Shortform **Label** **Company**
 CT CellTrace Thermo Fisher (Molecular Probes)

YellowGreen		
Channel	Fluorochrome	Antigen
YG1	CTYellow	
YG2		
YG3	CTBODIPY	
YG4		
YG5		
YG6		
YG7		
YG8		
YG9		
YG10		

Red		
Channel	Fluorochrome	Antigen
R1	CTFarRed	
R2		
R3		
R4		
R5		
R6		
R7		
R8		

Live Dead dyes

Ultraviolet		
Channel	Fluorochrome	Antigen
UV1		
UV2		
UV3		
UV4		
UV5		
UV6	LIVE DEAD Blue	
UV7	DAPI; Zombie UV	
UV8		
UV9		
UV10		
UV11		
UV12		
UV13		
UV14		
UV15		
UV16		

Violet		
Channel	Fluorochrome	Antigen
V1		
V2	Zombie Violet	
V3	LIVE DEAD Violet	
V4		
V5		
V6		
V7	Zombie Aqua; LIVE DEAD Aqua	
V8	LIVE DEAD Yellow	
V9		
V10	Zombie Yellow	
V11		
V12		
V13		
V14		
V15		
V16		

Blue		
Channel	Fluorochrome	Antigen
B1		
B2	Zombie Green	
B3	LIVE DEAD Green	
B4		
B5		
B6		
B7		
B8		
B9		
B10		
B11		
B12		
B13		
B14		

YellowGreen		
Channel	Fluorochrome	Antigen
YG1		
YG2		
YG3	Zombie Red; LIVE DEAD Red	
YG4	Propidiumiodid (PI)	
YG5		
YG6		
YG7		
YG8		
YG9		
YG10		

Red		
Channel	Fluorochrome	Antigen
R1		
R2	LIVE DEAD Far Red	
R3		
R4		
R5		
R6	Zombie NIR	
R7	LIVE DEAD NIR	
R8		

Shortform	Label	Company
	LIVE DEAD	
	Fixable "colour"	
	Dead Cell Stain	
LIVE DEAD	Kit	Thermo Fisher (Molecular Probes)
	Zombie "colour"	
Zombie	Fixable Viability Kit	Biolegend