

BioVis Platform Uppsala University
Optical Configuration of Cytoflex LX and S (Flow Cytometer Analyzer) and Cytoflex SRT (Cell Sorter)

Cytoflex LX			
UV Splitter			
Laser	Name	BP	Ch
355	U405	405/30	5
	U525	525/40	
	U675	675/30	
	empty	450/45	
	U(S)740	740/35	
	U(S)819	819/44	
405	empty	405/10	5
	V450	450/45	
	V525	525/40	
	V610	610/30	
	V660	660/10	
	V763	763/40	
488	SSC	488/8	3
	B525	525/40	
	B610	610/20	
	B690	690/50	
561	Y561	561/6	5
	Y610	610/20	
	Y763	763/45	
	Y585	585/42	
	Y675	675/43	
	Y710	710/50	
638	R630	638/6	3
	R763	763/43	
	R660	660/10	
	R712	712/25	
808	not active		

Both instruments have 96 well plate reader, LX can also handle deep well plates. In case you work on both instruments use the "BioVis S&LX" config on the Cytoflex S (instead "Default"). BPs are the same.

The SRT is a cell sorter with a 100 µm nozzle, sorts into tubes (2,5/5/15ml) and plates like 96 and 384, deep well plates included

Cytoflex S			
Default			
Laser	Name	BP	Ch
405	VSSC	405/10	4
	V780	780/60	
	PB450	450/45	
	KO525	525/40	
	Violet61		
	0	610/20	
488	SSC	488/8	2
	GFP	525/40	
	PerCP	690/50	
561	Y561	561/10	4
	mCherry	610/20	
	PE DsRed	585/42	
	PC5.5	690/50	
	PC7	780/60	
	none	none	
638	APC	660/20	3
	APC-		
	A700	712/25	
	APC-		
	A750	780/60	

Cytoflex SRT			
Default			
Laser	Name	BP	Ch
405	VSSC	405/10	4
	V450	450/45	
	V525	525/40	
	V610	610/20	
	V660	660/20	
	V780	780/60	
488	SSC	488/8	2
	B525	524/40	
	B690	690/50	
561	Y561	561/10	5
	Y610	610/20	
	Y780	780/60	
	Y585	585/42	
	Y710	710/50	
	Y675	675/30	
638	R660	660/20	3
	R712	712/25	
	R780	780/60	

Channels in grey are not activated