

Configuration FACS Aria™ III Sorter (BD)

Laser	Wavelength Exc. (nm)	Detectors	Filters (Emission)	Mirrors	Fluorochromes	Common Application
Violet	405	Octagon	F 450/40		DAPI / Horizon V450 /	Cell Surface markers, small particles
			E 510/50	502LP	AmCyann / Horizon V500	
			D 610/20	595LP	QDot 605	
			C 660/20	630LP	QDot 655	
			B 710/50	670LP	QDot 705	
			A 780/60	755LP	QDot 800	
			H			
			G			
Blue	488	Octagon	F 488/10		Side Scatter (SSC)	Cell Surface markers, live/dead discrimination, cell cycle
			E 530/30	520LP	FITC, A488, GFP, YFP	
			D 585/42	556LP	PE	
			C 616/23	610LP	PE-Texas Red / ECD	
			B 695/40	655 LP	PerCP-Cy 5.5	
			A 780/60	735LP	PE-Cy7	
			H			
			G			
Red	633	Trigon	C 660/20		APC	Cell Surface markers
			B 730/45	690LP	Alexa Fluor 700 (Alexa 700)	
			A 780/60	755LP	APC-Cy7	

LP: Long Pass

BP: Band Pass

Total : 16 parameters. 14 fluorescence channels + SSC and FSC