

DFCI Flow Cytometry Core Laser Parameters

Laser λ	Filter	Fluorophores	M Aria II UV	JF Aria II UV	M Aria II	JF Aria II	M-Fortessa	JF Fortessa HTS	JF Fortessa	M-Canto
Simultaneous Fluorescent Parameters			18	17	16	17	17	17	10	8
UV - 355nm										
	747/27	BUV 737	✓	✓						
	450/50	BUV496, Indo1 Blue, L/D Blue	✓	✓						
	379/28	BUV 395	✓	✓ (FC)						
Violet - 405nm										
	780/60	BV 786	✓	✓ (FC)	✓	✓	✓	✓	✓ (FC)	✓ (FC)
	747/27	n/a				✓	✓	✓		
	710/20	BV 711	✓	✓ (FC)	✓	✓	✓	✓	✓ (FC)	✓ (FC)
	660/20	BV 650	✓	✓ (FC)	✓	✓	✓	✓	✓ (FC)	✓ (FC)
	610/20	BV 605, L/D Yellow, Zombie Yellow	✓	✓	✓	✓	✓	✓	✓ (FC)	✓ (FC)
	586/15	BV570, Pacific Orange, V550	✓ (FC)	✓ (FC)	✓	✓	✓	✓	✓ (FC)	✓ (FC)
	525/50	BV 510, L/DAqua, V 500, Zombie Aqua	✓	✓	✓	✓	✓	✓	✓	✓
	450/50	BV 421, L/D Violet, DAPI, Pacific Blue	✓	✓	✓	✓	✓	✓	✓	✓
Blue-Violet - 445nm										
	575/25	Chromomycin A3		✓						
	470/20	CFP		✓						
Blue - 488nm										
	780/60	Pe-Cy7								✓
	710/50	PerCP, PerCP-Cy 5.5, PI, 7AAD	✓	✓	✓	✓	✓	✓	✓	✓
	585/42	PE, DsRed, tdTomato, RFP								✓
	530/30	FITC, AF 488, GFP, CFSE	✓	✓	✓	✓	✓	✓	✓	✓
Yellow-Green - 561nm										
	780/60	PE-Cy7	✓	✓	✓	✓	✓	✓	✓	
	710/50	PE-Cy5.5	✓ (FC)	✓	✓ (FC)	✓	✓	✓	✓ (FC)	
	660/20	PE-Cy5, 7AAD	✓	✓	✓	✓	✓	✓	✓	
	610/20	PE-CF594, PE-TR, mCherry, PI	✓	✓	✓	✓	✓	✓	✓	
	582/15	PE, DsRed, tdTomato, RFP	✓	✓	✓	✓	✓	✓	✓	
Red - 640nm										
	780/60	APC-Cy7, Zombie NIR	✓	✓	✓	✓	✓	✓	✓	✓
	730/45	AF 700, PerCP-eFluor 710	✓	✓	✓	✓	✓	✓	✓ (FC)	✓ (FC)
	670/30	APC, AF 647	✓	✓	✓	✓	✓	✓	✓	✓

FC* filter change