

Flow Cytometry Core Facility Equipment

Cell Sorters

The tables below show commonly used fluorophores on each parameter within each instrument. The fluorochromes **highlighted in bold** are the preferred fluorochromes for each parameter.

FACSAria II

Laser	Bandpass Filter	Suggested Fluorochromes
Blue 488nm	520/20	Brilliant Blue 515 , FITC, Alexa Fluor 488, GFP, YFP, Zombie Green
	575/26	PE , Propidium Iodide
	610/20	PE-Dazzle 594 , PE-CF594
	660/20	
	710/50	PerCP-Cy 5.5
	780/60	PE-Cy7
Red 633nm	670/14	APC , Alexa Fluor 647
	730/45	Alexa Fluor 700
	780/60	APC-H7 , APC-Cy7, DRAQ5, Zombie NIR
Violet 405nm	450/50	BV421 , V450, DAPI, Pacific Blue
	525/50	BV510 , Zombie Aqua, V500
	655/8	BV650
UV 355nm	450/50	DAPI
	675LP	

FACS Fusion Sorter

Laser	Bandpass Filter	Suggested Fluorochromes
Blue 488nm	520/20	Brilliant Blue 515 , FITC, Alexa Fluor 488, GFP, YFP, Zombie Green
	710/50	PerCP-Cy 5.5
Yellow/Green 561 nm	582/15	PE
	610/20	PE-Dazzle , PE-CF594
	710/50	PE-Cy 5.5
	780/60	PE-Cy7
Red 635nm	670/14	APC, Alexa Fluor 647
	730/45	Alexa Fluor 700
	780/60	APC-H7, APC-Cy7, DRAQ5, Zombie NIR
Violet 405nm	450/50	BV421 , V450, DAPI, Pacific Blue
	525/50	BV510 , Zombie Aqua, V500
	610/20	BV605
	670/30	BV650
	710/50	BV711
	780/60	BV786
UV 355nm	379/28	BUV395
	450/50	DAPI , Hoechst blue
	730/45	BUV737

Astrios Sorter

Laser	Bandpass Filter	Suggested Fluorochromes
Blue 488nm	530/30	Brilliant Blue 515 , FITC, Alexa Fluor 488, GFP, YFP, Zombie Green
	695/40	PerCP-Cy 5.5
Yellow/Green 561 nm	586/15	PE
	620/29	PE-Dazzle , PE-CF594
	710/45	PE-Cy 5.5
	795/70	PE-Cy7
Red 635nm	671/30	APC, Alexa Fluor 647
	722/44	Alexa Fluor 700
	795/70	APC-H7, APC-Cy7, DRAQ5, Zombie NIR
Violet 405nm	448/59	BV421 , V450, DAPI, Pacific Blue
	530/40	BV510 , Zombie Aqua, V500
	614/20	BV605
	671/30	BV650
	795/70	BV786