

Reagent-Instrument Channel Selection Matrix

BIOSTATUS PRODUCTS with typical instrument laser excitation and emission detection channels

Manufacturer	Instrument type	Instruments	Notes	CyTRAK Orange™	DRAQ5™ & DRAQ7™	HypoxiTRAK™	DRAQ9™		
BD Biosciences	Cytometers	FACSCantoll		585/42	670LP, 780/60	712/21, 780/60	670LP	(712/21)	
		FACSCanto		585/42	695/40, 780/60	730/45, 780/60	730/45	730/45	
		FACSLyric		586/42	700/54, 783/56	720/30, 783/56	700/54	(720/30)	
		FACSymphony A5		610/20	710/50, 750/30, 780/60	710/50, 780/60	710/50, 780/60	710/50	
		FACSymphony A5 SE	As A5 & with spectral unmixing	610/20	710/50, 750/30, 780/60	710/50, 780/60	710/50, 780/60	710/50	
		Full Spectrum Analysis							
		FACSymphony A3		610/20	710/50, 750/30, 780/60	710/50, 780/60	710/50, 780/60	710/50*	710/50
		FACSymphony A1			710,50	710/50, 780/60	710/50, 780/60	710/50*	710/50
		LSRFortessa X-20		575/26, 610/20	780/60		730/45, 780/60	730/45	730/45
		Fortessa		575/26, 610/20	695/40, 780/60		685/35, 730/45, 780/60	695/40	730/45
		FACSCelesta		575/25, 610/20	695/40	780/60	730/45, 780/60	695/40	730/45
		Accuri C6	3 blue + 1 red	585/40, 610/20	670LP			670LP	
			2 blue + 2 red	585/40			780/60		(780/60)
			4 blue	585/40, 630/30	780/60			(780/60)	
		FACScan		575/26	650LP			650LP	
		FACSCalibur		585/42	670LP			670LP	
		LSRII		575/26	695/40, 780/60		730/45, 780/60	695/40	730/45
		FACVerse		586/42	700/54, 783/56		783/56	700/54	730/45
FACSVia		585/40	670LP			670LP			
Sorters	Various configurations	FACSymphony S6		610/20	710/50, 750/30, 780/60	710/50, 780/60	710/50*	710/50	
		FACSMelody		586/42	700/54, 783/56	697/58, 783/56	720/30, 783/56	700/54	(720/30)
		FACSArialII		585/42, 616/23	695/40, 780/60	710/50, 780/60	730/45, 780/60	695/40	710/50
		FACSJazz		585/29	692/40, 710/50, 750LP	650LP, 750LP	750LP	710/50	650LP
		FACSArialI		610/20	695/40, 780/60		780/60	695/40	750LP
		Influx		585/29	710/50	710/50, 750LP, 780/60	710/50, 720/40, 750LP, 780/60	710/50	710/50, 720/40
Advanced	CellView Imaging Spectral sorting	FACSDiscover S8		586/42	700/54		(700/54)		
Full Spectrum Analysis									
Multiomics	Rhaphsody			DRAQ7 - off-line viability check only					



Legend (colour-coding according to exc. λ)			
488 nm laser "BLUE LASER"	532 nm laser "GREEN LASER"	561 nm laser "YELLOW LASER"	635/637/642 nm laser "RED LASER"
695/40	697/58	780/60	730/45, 780/60

Parenthesis = detection may be weak e.g. DRAQ9 & (712/21)

* = channel available off multiple lasers