

U of T FCF BD FACS Melody

Instrument Specifications	
Nozzle	100 microns
Pressure	23 PSI
Operating Frequency	34 KHz (34000 Hz)
Temperature Control	RT, 4, 22, 37, 42 degrees Celsius
Threshold Rate	Up to maximum of 6000 events/sec
Sample Collection	One-Way: 6, 24, 48, 96, 384 - well plates Two-Way: 1.5, 2.0 and 5.0 mL tubes

Detection Parameters		
Lasers	Filter	Fluorophores
BLUE 488 nm	527/32	GFP, FITC, Alexa Fluor 488, Brilliant Blue 515, Fixable viability stain Green, Live/Dead Green, VioBright FITC,
	700/54	Brilliant Blue 700, PerCP, PerCP-Cy5.5, 7-AAD
YELLOW- GREEN 561 nm	582/15	PE, DS Red, TdTomato
	613/18	mCherry, PE-CF594, PE-TR, PI, PE-Dazzle, PE-Vio 610, RFP
	697/58	PE-Cy5, PE-Cy5.5, PerCP-Vio 800, APC (strong emissions)
	783/56	PE-Cy7, PE-Vio 770
Violet 405 nm	448/45	Pacific Blue, BD HorizonV450, DAPI, Live/Dead Violet, BV421, EFluor 450, Super Bright 436, BFP
	528/45	BD Horizon V500, Brilliant Violet 510, AmCyan, Live/Dead Aqua, CFP, VioBright515