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 Sorter FACS ARIA III Specifications

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# SORTER FACS ARIA III SPECIFICATIONS

**Becton Dickinson FACS Aria III is equipped with 4 lasers that can sort based on 15 parameters (13 colours + forward and side scatter).**

Sample tube compatibility	Polystyrene or polypropylene  5ml FACS tubes  microtubes  15ml Falcon tubes		
Heating/ cooling collection tubes	YES		
Heating/ cooling sample tubes	YES		
Nozzle size/ pressure  (custom pressure 5-75psi available)	70um @ 70psi	100um @ 20psi or 17psi	85um @ 45psi
Sorting options	2-way FACS tubes or  15ml Falcon tubes  4-way FACS tubes or  1.5ml microtubes		
Tissue culture plate deposition (inc. single cell)	6, 24, 48, 96 and 384-well plates, slides		
Sheath fluid	Beckman Coulter IsoFlow		

Laser/ Filter combination	Fluorochromes
Violet (405nm): 450/40 or 20	DAPI, BV421, Pacific Blue, V450, AF405, Cascade Blue, Dyecycle violet
Violet (405nm): 510/50	BD V500, AmCyan, BV510, Live/dead aqua, CFP
Violet (405nm): 610/20	BV605
Violet (405nm): 710/50	BV711
Blue (488nm): 530/30	FITC, AF488, GFP, CFSE, YFP, kikume, SNARF (pH6), Dyecycle green, FAM
Blue (488nm): 695/40	7AAD, PI, PerCP-Cy5.5, PerCP
Y/G (561nm): 582/15	PE, mOrange, AF568, dTomato, TAMRA
Y/G (561nm): 610/20	PE-Texas Red, PE-AF610, RFP, DsRed, mCherry, AF594, Texas Red
Y/G (561nm): 670/14	PE-Cy5, SNARF (pH9)
Y/G (561nm): 780/60	PE-Cy7, PE-AF750, PE-vio770
Red (633nm): 660/20	APC, AF633, AF647, APC-Cy5, Sytox Red dead
Red (633nm): 730/45	AF700
Red (633nm): 780/60	APC-Cy7, APC-AF750, APC-H7

**Additional filter sets:**

585/15

610/20 + 595LP mirror

670LP

710/50 + 690LP

780/60



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