

# CNY Flow Core Cytometer Configurations

Machines:	analyzer	analyzer	sorter	sorter	analyzer	Fluorochrome examples per filter
	LSRII	Fortessa	Ariall	AriaFusion	Fortessa X-20	
Lasers:						
355nm UV				730/45 450/50 379/28	730/45 450/50 379/28	BUV737 DAPI, Live-dead blue, Alexa350, Hoechst, Calcein Blue BUV395
405nm violet	610/20 525/50 450/50	610/20 525/50 450/50	530/30 450/50	780/60 710/50 670/30 610/20 525/50 450/50	780/60 710/50 670/30 610/20 525/50 450/50	BV786, Qdot800 BV711, Qdot705 BV650, Qdot655 BV605, Qdot605, Qdot625 BV510, AmCyan, V500, Live-dead aqua, PacOrange, Qdot545, Qdot525 BV421, PacBlue, DAPI, CFP, V450, Cerulean, BFP, Live-dead violet, AF405, Sytox
488nm blue	710/50 525/50	710/50 525/50	685/35 525/50	710/50 530/30	710/50 525/50	PerCP-Cy5-5 (PerCP w/ filter change to 670/30), 7AAD, PerCP-efluor710 FITC, GFP, AF488, YFP, ZsGreen, Mitosox Red, Calcein AM, Aldefluor, OFP, CFSE
561nm yellow-green	780/60 710/50 670/30 610/20 582/15	780/60 710/50 670/30 610/20 582/15	780/60 710/50 670/30 610/20 582/15	780/60 710/50 670/30 610/20 586/15	780/60 710/50 670/30 610/20 586/15	PE-Cy7 PE-Cy5-5 PE-Cy5, 7AAD PE-Texas Red, mCherry, RFP, PI, DsRed, PE-CF594, AF594 PE, tdTomato
640nm red	780/60 730/45 670/14	780/60 730/45 670/14	780/60 730/45 670/14	780/60 730/45 670/14	780/60 730/45 670/30	APC-Cy7, APC-AF750, APC-H7, APC-e780 AF700, APC-Cy5-5, APC-Alexa700 APC, AF647, TO-PRO-3
Total colors	13	13	12	18	18	

\*the LSRII, Fortessa, and Ariall have 4 lasers and similar configs, except the Aria does not have a Qdot605 PMT

\*the AriaFusion and Fortessa X-20 have 5 lasers and similar configurations

\*the Fortessa X-20 also has a FSC PMT that can be used for small particle detection