

# LSRII Filter Configuration

Violet Laser – 405nm		Power: 50mW	
Filter	Long Pass Filter	Band Pass Filter	Fluorochromes
A	600	605/40 (585-625)	Brilliant Violet 570 <sup>#</sup> Brilliant Violet 605 <sup>#</sup> eFluor 605NC <sup>+</sup> Qdot 585 <sup>+</sup> Qdot605 Qdot 625 Zombie Yellow <sup>*(with Filter B)</sup>
B	505	525/50 (500-550)	AmCyan <sup>#</sup> LIVE/DEAD Fixable Aqua LIVE/DEAD Fixable Yellow <sup>*(with Filter A)</sup> BD Horizon V500 <sup>*(with Filter C)</sup> Brilliant Violet 510 <sup>*(with Filter C)</sup> Cascade Yellow <sup>*(with Filter A)</sup> Pacific Orange <sup>*(with Filter A)</sup> Qdot 525 <sup>+</sup> Qdot 545 <sup>+</sup> Zombie Aqua
C	EMPTY	450/50 (425-475)	Alexa Fluor 405 BD Horizon V450 Brilliant Violet 421 Cascade Blue CFP <sup>*(with Filter C)</sup> eCFP <sup>*(with Filter C)</sup> DAP <sup>]*(with Filter B)/+</sup> eBFP eFluor 450 Hoechst 33258 <sup>*(with Filter B)/+</sup> Pacific Blue Zombie Violet

Blue Laser – 488nm		Power: 50mW	
Filter	Long Pass Filter	Band Pass Filter	Fluorochromes
A	755	780/60 (750-810)	PE-Cy7
B	685	710/50 (685-735)	PE-Cy5.5 <sup>*(with Filter C)/**</sup> PerCP-Cy5.5 <sup>*(with Filter C)</sup>
C	670	675/20 (665-685)	PerCP <sup>*(with Filters B and D)</sup> PerCP-eFluor 710 <sup>*(with Filters B and D)</sup>
D	635	660/20 (650-670)	7-AAD <sup>*(with Filters C and B)</sup> PE-Cy5 <sup>*(with Filters C and B)</sup> Tricolor
E	600	610/20 (600-620)	Alexa Fluor 594 <sup>*(with Filter D)/+</sup> PE-CF594 PE-Texas Red PI (Propidium Iodide) <sup>*(with Filters D and C)</sup>
F	550	575/26 (562-588)	DsRed-Express <sup>*(with Filter E)</sup> PE <sup>**</sup>
G	505	525/50 (500-550)	Alexa Fluor 488 CFSE FITC Annexin FITC GFP YFP Zombie Green ZsGreen
H	EMPTY	488/10 (482-493)	SSC

Red Laser – 633nm		Power: 40mW	
Filter	Long Pass Filter	Band Pass Filter	Fluorochromes
A	755	780/60 (750-810)	APC-Alexa Fluor 750 <sup>^^</sup> APC-Cy7 APC-eFluor 780 APC-H7
B	685	730/45 (707-753)	Alexa Fluor 700 APC-Cy5.5 <sup>*(filter A=B)/#</sup>
C	EMPTY	670/30 (655-685)	APC <sup>^^</sup> Alexa Fluor 647 <sup>^^</sup> Cy5 DRAQ5 <sup>*(with Filters B and A)</sup>

\*excessive bleed over into other filters

\*\*and^^Do not use together

<sup>+</sup>low excitation from laser

<sup>#</sup>low fluorescence

DO NOT USE