

Dichroic/Filters for Flow Cytometry

Dichroic	Use
380 LP	detection of side scatter during indo-1 analysis
460 LP	indo-1 ratiometric analysis (extended reflection)
480 LP	separation of Cascade Blue and Cascade Yellow or ELF-97 signals
505 SP	standard indo-1 ratiometric analysis (behaves like 450 SP at 45 degree angle)
560 SP	separation of FITC and PE signals
610 SP	separation of FITC/PE and PE-Cy5 signals, Hoechst SP analysis
640 LP	separation of APC and shorter wavelength signals
690 LP	separation of APC and APC-Cy5.5 or APC-Cy7 signals
710 LP	separation of PE and PE-Cy5.5 or PE-Cy7 signals
748 LP	non-reflecting dichroic, detection or PE-Cy7 or APC-Cy7 signals

Filter	Use
390/30	indo-1 (bound Ca) enhanced sensitivity
405/20	indo-1 (bound Ca) standard sensitivity
424/44	DAPI, Hoechst 33342 and 32580, AMCA, Alexa Fluor 350, Marina Blue
440/10	Cascade Blue, Pacific Blue, Hoechst 34580
485/22	indo-1 (free Ca) standard sensitivity, CFP
495/20	indo-1 (freeCa) enhanced sensitivity. CFP
530/30	fluorescein, Oregon Green 488, Alexa Fluor 488, Cy2, GFP, ELF-97, PKH2, PKH67
535/45	fluorescein, Oregon Green 488, Alexa Fluor 488, Cy2, GFP, YFP, ELF-97, PKH2, PKH67
575/26	PE, PI, Cy3, CF-3, CF-4, TRITC, PKH26
585/22	PE, PI, Cy3, CF-3, CF-4, TRITC, PKH26
610/20	lissamine rhodamine B, Rhodamine Red, Alexa Fluor 568
610/30	lissamine rhodamine B, Rhodamine Red, Alexa Fluor 568
630/22	PE-Texas Red, Texas Red, Alexa Fluor 594
660/20	APC, Alexa Fluor 633, CF-1, CF-2, PBXL-1, PBXL-3
675/20	Cy5, Alexa Fluor 647, TO-PRO-3
682/22	Cy5, Alexa Fluor 647, Alexa Fluor 660, PE-Alexa Fluor 647, PE-Cy5, TO-PRO-3
710/20	Cy5.5, Alexa Fluor 680, PE-Alexa Fluor 680, APC-Alexa Fluor 680