

Filter Cubes

Filter cube	Fluorochrome	Excitation range	Excitation filter	Dichromatic mirror	Suppression filter	DMLS/LSP DMIL/DMIRB DMR HCRF8 small	DMLB LM/LP DMR HCRF4 large	DM4000 DM5000 DM6000 DMI4000 B DMI6000 B k
A	diverse	UV	BP 340-380	400	LP 425	513 824	513 804	513 873
+ A4	diverse	UV	BP 360/40	400	BP 470/40	513 848	513 839	513 874
D	diverse	UV / violet	BP 355-425	455	LP 470	513 825	513 805	513 875
E4	diverse	violet / blue	BP 436/7	455	LP 470	513 826	513 806	513 876
H3	diverse	violet / blue	BP 420-490	510	LP 515	513 827	513 807	513 877
I3	diverse	blue	BP 450-490	510	LP 515	513 828	513 808	513 878
K3	diverse	blue	BP 470-490	510	LP 515	513 829	513 809	513 879
+ L5	diverse	blue	BP 480/40	505	BP 527/30	513 849	513 840	513 880
M2	diverse	green	BP 546/14	580	LP 590	513 831	513 811	513 881
N2.1	diverse	green	BP 515-560	580	LP 590	513 832	513 812	513 882
+ N3	diverse	green	BP 546/12	565	BP 600/40	513 850	513 841	513 883
G/R	FITC/TEXAS RED	blue green	BP 490/20 BP 575/30	505 600	BP 525/20 BP 635/40	513 834	513 803	513 884
+ TX2	TEXAS RED	green	BP 560/40	595	BP 645/75	513 851	513 843	513 885
B/G/R	DAPI/FITC/TEXAS RED	UV blue green	BP 420/30 BP 495/15 BP 570/20	415 510 590	BP 465/20 BP 530/30 BP 640/40	513 838	513 836	513 886
+ Y3	CY3	green	BP545/30	565	BP 610/75	513 855	513 837	513 887
+ Y5	CY5	red	BP 620/60	660	BP 700/75	513 856	513 844	513 888
+ Y7	CY7	red	BP 710/75	750	BP 810/90	513 857	513 845	513 889
+ GFP	Green-FP**	blue	BP 470/40	500	BP 525/50	513 852	513 847	513 890
FI/RH	FITC/Rhodamine	blue	BP 490/15	500	BP 525/20	513 854	513 846	513 891
		green	BP 560/25	580	BP 605/30			
+ YFP	Yellow-FP**	blue	BP 500/20	515	BP 535/30	513 867	513 863	513 893
+ Red GFP	Red-FP**	green	BP 546/12	560	BP 605/75	513 868	513 864	513 894
+ CGFP	Cyan-FP**	violet / blue	BP 436/20	455	BP 480/40	513 866	513 862	513 892
BFP/GFP	Blue-/Green-FP**	UV	BP 385/15	420	BP 460/20	513 869	-	513 895
		blue	BP 485/20	510	BP 437/45			
CFP/YFP	Cyan-/Yellow-FP**	violet / blue blue	BP 436/12 BP 500/20	445 515	BP 467/37 BP 545/45	513 870	513 865	513 896
CFP/YFP/DsRed	Cyan-/Yellow-/Red-FP**	violet / blue	BP 436/8	445	BP 460/25	513 871	-	513897
		blue	BP 495/12	510	BP 535/35			
		green	BP 580/20	595	BP 630/55			
Pol	IGS		Polarizer	Neutral	Analyzer	513 835	513 813	513 898
Analyzer cube	ICT/Pol				Analyzer	513903	513902	513 900
Filter system ICR	DIC, RL		Polarizer + MgF	Neutral	Analyzer		761 007	513 901
Empty system			0	0	0	513 853	513 842	513 899

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	DAPI/FITC/Texas Red	blue green red	BP 404/20 BP 494/20 BP 576/20 BP 437/30	415 510 590 495	BP 457/20 BP 530/20 BP 628/28 BP 520/35			600197
	GFP , Cy2™, CyQuant, DiO, EGFP, sgGFP™, wtGFP (non-UV excitation), YOYO-1, YO- PRO-1							532366
	YFP , Calcium Green-1, Eosin, Fluo-3, Rhodamine 123		BP 500/24	520	BP 542/27			532367
	Calcium Crimson; ALexa 594				HQ 630/60	532330		
	Enhanced-GFP		HQ 470/40			532330		
	RS-GFP (Narrowband GFP (Narrow-band)		HQ 480/20			532330		
	S-Aqua		D 480/20x	505	D 520/20	532365		
	JP1		D 436/20x	455	D 480/30	532149	532210	532203
	JP2		D 470/20x	490	D 510/20	532258		
	S-Red		D 510/20x	530	D 560/40	532259		
	S-Blue		D 577/20x	595	D630/30	532271	532214	532272
	DHE		D 405/10x D 335/20x	425 365	D 460/50 D 405/40	532148 532199	532209	532202
	Qdot 605 w.20nm emission filter		E 460 SPUVv2	475 DCXRU	D665/20		532101	
	Cy 5		HQ 620/60x	Q 660 LP	HQ 700/75			532208
	S-Orange		HQ 546/12x	Q 560 LP	HQ 585/40	532150	532211	532204
	S-Green		HQ 500/20x	Q 515 LP	HQ 535/30	532225	532224	532223
	S-Blue-Aqua		HQ 405/20x	425 DCXR	HQ 430 LP	532151	532212	532205
	Spectrum Gold		HQ 546/11x	Q 555 LP	HQ 575/30	532152	532213	532206
	DAPI/FITC							532287
	DAPI/TRITC							532286
	FITC/Texas Red							532285
	Cy3/Cy5	546 nm				532299		
	DAPI/FITC/CY3	400nm						532207
	FITC/CY3/CY5					532284	532288	
	FURA2 and BCECF		w/o	72100bs	HQ 540/50m	532303		
	S-FRED		HQ 630/20x	Q 649 LP	HQ 667/30m	532274	532373	532268
	Cy 5,5		HQ 682/12x	Q 697 LP	HQ 721/42m			532269
	Cy3/TRITC	531 nm				11532399		

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<p>+ specially for multi-parameter fluorescence BP = bandpass filter LP = longpass filter * filter cube after Ploem ** fluorescent protein</p>								

0 = to be fitted by customer

Version 1.5