

Range of Filtercubes

Version August 2003

Reflectors and filter cubes for incident light techniques

Filter-cube	Fluorochrome	Excitation range	Filter and reflector data (nm)			DM LS/LSP DM IL/DM IRB DM R HCRF8 small	Code nos. for	
			Excitation filter	Dichromatic mirror	Suppression filter		DM LB LM/LP DM R HCRF4 large	DM 4000 DM 5000 DM 6000 middle
A	diverse	UV	BP 340 – 380	400	LP 425	11 513 824	11 513 804	11 513 873
+ A4	diverse	UV	BP 360/40	400	BP 470/40	11 513 848	11 513 839	11 513 874
D	diverse	UV/violet	BP 355 – 425	455	LP 470	11 513 825	11 513 805	11 513 875
E4	diverse	violet/blue	BP 436/7	455	LP 470	11 513 826	11 513 806	11 513 876
H3	diverse	violet/blue	BP 420 – 490	510	LP 515	11 513 827	11 513 807	11 513 877
I3	diverse	blue	BP 450 – 490	510	LP 515	11 513 828	11 513 808	11 513 878
K3	diverse	blue	BP 470 – 490	510	LP 515	11 513 829	11 513 809	11 513 879
+ L5	diverse	blue	BP 480/40	505	BP 527/30	11 513 849	11 513 840	11 513 880
M2	diverse	green	BP 546/14	580	LP 590	11 513 831	11 513 811	11 513 881
N2.1	diverse	green	BP 515 – 560	580	LP 590	11 513 832	11 513 812	11 513 882
+ N3	diverse	green	BP 546/12	565	BP 600/40	11 513 850	11 813 841	11 513 883
G/R	FITC/TEXAS RED	blue	BP 490/20	505	BP 525/20	11 513 834	11 513 803	11 513 884
		green	BP 575/30	600	BP 635/40	–	–	–
+ TX2	TEXAS RED	green	BP 560/40	595	BP 645/75	11 513 851	11 513 843	11 513 885
B/G/R	DAPI/FITC/ TEXAS RED	UV	BP 420/30	415	BP 465/20	11 513 838	11 513 836	11 513 886
		blue	BP 495/15	510	BP 530/30	–	–	–
		green	BP 570/20	590	BP 640/40	–	–	–
+ Y3	CY3	green	BP 545/30	565	BP 610/75	11 513 855	11 513 837	11 513 887
+ Y5	CY5	red	BP 620/60	660	BP 700/75	11 513 856	11 513 844	11 513 888
+ Y7	CY7	red	BP 710/75	750	BP 810/90	11 513 857	11 513 845	11 513 889
+ GFP	Green-FP**	blue	BP 470/40	500	BP 525/50	11 513 852	11 513 847	11 513 890
FI/RH	FITC/Rhodamine	blue	BP 490/15	500	BP 525/20	11 513 854	11 513 846	11 513 891
		green	BP 560/25	580	BP 605/30	–	–	–
+ YFP	Yellow-FP**	blue	BP 500/20	515	BP 535/30	11 513 867	11 513 863	11 513 893
+ Red GFP	Red-FP**	green	BP 546/12	560	BP 605/75	11 513 868	11 513 864	11 513 894
+ CGFP	Cyan-FP**	violet/blue	BP 436/20	455	BP 480/40	11 513 866	11 513 862	11 513 892
BFP/GFP	Blue-/Green-FP**	UV	BP 385/15	420	BP 460/20	11 513 869	–	11 513 895
		blue	BP 485/20	510	BP 437/45	–	–	–
CFP/YFP	Cyan-/Yellow-/FP**	violet/blue	BP 436/12	445	BP 467/37	11 513 870	11 513 865	11 513 896
		blue	BP 500/20	515	BP 545/45	–	–	–
CFP/YFP/ DsRed	Cyan-/Yellow-/ Red-FP**	violet/blue	BP 436/8	445	BP 460/25	11 513 871	–	11 513 897
		blue	BP 495/12	510	BP 535/35	–	–	–
		green	BP 580/20	595	BP 630/55	–	–	–
Pol	IGS		Polarizer	Neutral	Analyzer	11 513 835	11 513 813	11 513 898
Analyzer	ICT/POL				Analyzer	11 513 903	11 513 902	11 513 900
Filter system ICR			Pol + MgF		Analyzer	–	11 761 007	11 513 901
Empty system			v	v	v	11 513 853	11 513 842	11 513 899

+ Specially for multi-parameter fluorescence

* Filter cube after Ploem

** Fluorescentprotein

BP = band pass filter

LP = long pass filter

v = to be fitted by customer