

Range of Filter Cubes

Light Microscopes

Filter Cube	Excitation Range	Excitation Filter	Dichromatic Mirror	Suppression Filter
A	UV	BP340-380	400	LP 425
A4	UV	BP 360/40	400	BP 470/40
Analyzer cube	-	-	-	Analyzer
BFP/GFP	UV/blue	BP 385/15;485/20	420;510	BP 460/20;537/45
B/G	UV blue	410/15;490/20	430;500	455/20;535/45
B/G/R	UV	BP 420/30;495 /15;570/20	415;510;590	BP 465/20;530 /30;640/40
B/R	UV green	420/20;530/45	435;565	465/30;615/70
CFP	violet / blue	BP 436/20	455	BP 480/40
CFP/YFP	violet / blue	BP 436/12; 500/20	445;515	BP 467/37;545/45
CFP/YFP /DsRed	violet / blue	BP 436/8;495 /12;580/20	445;510;595	BP 460/25;535 /35;630/55
CY3/CY5	546 nm			
CY3/TRITC	531 nm			
CY5		HQ 620/60x	Q 660 LP	HQ 700/75
D	UV / violet	BP 355-425	455	LP 470
DAPI/FITC/CY3	400 nm			
DHE		D 335/20x	365	D 405/40
E4	violet / blue	BP 436/7	455	LP 470
Empty system	-	-	-	-
Filter system ICR	-	Pol + MgF	-	Analyzer
FITC/CY3/CY5				
FITC/Texas Red				
FI/RH	blue	BP 490/15;560/25	500;580	BP 525/20;605/30
FURA2		w/o	72100bs	HQ 540/50m
GFP	blue	BP 470/40	500	BP 525/50
GFP CY2		BP 437/30	495	BP 520/35
GFP (Narrowband)		D 480/20x	505	D 520/20

G/R	blue	BP 490/20;575/30	505;600	BP 525/20;635/40
H3	violet / blue	BP 420-490	510	LP 515
I3	blue	BP 450-490	510	LP 515
JP1		D470/20x	490	D510/20
JP2		D 510/20x	530	D 560/40
K3	blue	BP 470-490	510	LP 515
L5	blue	BP 480/40	505	BP 527/30
M2	green	BP 546/14	580	LP 590
N2.1	green	BP 515-560	580	LP 590
N3	green	BP 546/12	565	BP 600/40
Pol	-	Polariser	Neutral	Analyzer
Qdot 605		E460 SPUVv2	475 DCXRU	D 665/20
Red GFP	green	BP 546/12	560	BP 605/75
S Aqua	violet/blue	D 436/20x	455 LP	D 480/30
S Blue	violet	D 405/10x	425 LP	D 460/50
S Blue/Aqua	violet	HQ 405/20x	425 DCXR	HQ 430 LP
S FRED	red	HQ 630/20x	Q 649 LP	HQ 667/30m
S Gold	green	HQ 546/11x	Q 555 LP	HQ 575/30
S Green	blue	HQ 500/20x	Q 515 LP	HQ 535/30
S Orange	green	HQ 546/12x	Q 560 LP	HQ 585/40
S Red	green	D 577/20x	595 LP	D 630/30
TX2	green	BP 560/40	595	BP 645/75
Y 5.5	red	HQ 682/12x	Q 697 LP	HQ 721/42m
Y3	green	BP 545/30	565	BP 610/75
Y5	red	BP 620/60	660	BP 700/75
Y7	red	BP 710/75	750	BP 810/90
YFP	blue	BP 500/20	515	BP 535/30
YFP HP		BP 500/24	520	BP 542/27

+ specially for multi-parameter fluorescence

BP = bandpass filter

LP = longpass filter

0 = to be fitted by customer

* Filter Cube after Ploem

** fluorescent protein

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