

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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