

ZytoVision Fluorochromes and Filter Recommendations

ZytoVision Fluorochromes

Two factors that mainly influence FISH analyses:

- Fluorochromes of the FISH probes
- Appropriate filter sets

Fluorochrome	Excitation	Emission	Equivalent to
● ZyBlue™	418 nm	467 nm	DEAC
● ZyGreen™	503 nm	528 nm	FITC
● ZyGold™	532 nm	553 nm	Rhodamine 6G
● ZyOrange™	547 nm	572 nm	Rhodamine
● ZyRed™	580 nm	599 nm	TexasRed®

Recommended Filter Sets

All filter sets are produced by well known manufacturers and have a **superior-signal-to-noise ratio!**

Prod. No	Product	Detected Fluorochrome
E-4030-1	DAPI Single Bandpass Filter Set v2	DAPI
E-4026-1	ZyBlue™ Single Bandpass Filter Set v2	●
E-4012-1	ZyGreen™ Single Bandpass Filter Set v2	●
E-4027-1	ZyGold™ Single Bandpass Filter Set v2	●
E-4013-1	ZyOrange™ Single Bandpass Filter Set v2	●
E-4017-1	ZyRed™ Single Bandpass Filter Set v2	●
E-4016-1	ZyGreen™/ZyOrange™ Dual Bandpass Filter Set v2	●/●
E-4010-1	DAPI/ZyGreen™/ZyOrange™ Triple Bandpass Filter Set	DAPI/●/●
E-4028-1	ZyBlue™/ZyGreen™/ZyOrange™ Triple Bandpass Filter Set	●/●/●

Fluorescence Filter Holder

The filter sets need to be assembled in fluorescence filter holder specific for the respective microscope.

Prod. No	Product	Compatible for Microscopes e.g.*
E-4111-1	ZEISS Fluorescence Filter Holder „FL EC P&C“	Zeiss: Axio Imager, AxioStar plus, Axioskop 40
E-4113-1	ZEISS Fluorescence Filter Holder „FL“	Zeiss: AxioPlan 2, Axioskop 2, AxioPhot 2
E-4121-1	OLYMPUS Fluorescence Filter Holder „U-MF 2“	Olympus: AX, AX70, BX41, BX50, BX51
E-4122-1	OLYMPUS Fluorescence Filter Holder „U-FF“	Olympus: BX43, BX53, BX63
E-4131-1	LEICA Fluorescence Filter Holder „DM K“	Leica: DM4000-6000, DMI4000-6000
E-4141-1	NIKON Fluorescence Filter Holder „C-FL“	Nikon: Eclipse 50i, Eclipse 80i, Eclipse Ti

*If your model is not listed, please contact helptech@zytovision.com

Microscope Specifications

In order to provide you with the best possible service, please provide us with the following details:

- Microscope manufacturer
- Type or model of microscope
- Approx. age of microscope



These filter sets, optimized for ZytoLight® and FlexISH® FISH probes, will significantly increase brightness and quality of your FISH results!