

## ZytoLight® Fluorochromes and Filter Recommendations



### ZytoLight® Fluorochromes

The analysis of FISH slides is mainly influenced by two factors: The fluorochrome that is used for the FISH probes and the microscope filter set. The latter should be optimized to match the first one in order to obtain results with maximum signal intensity and good contrast. Filter sets that are sub-optimal for the fluorochromes of the FISH probes may result in faint signals and low contrast.

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 are mounted pixel-shift free. These high precision optical filters result in bright pictures with superior signal-to-noise ratio. Though specially designed for ZytoLight® fluorochromes, these filter sets fit equally well with fluorochromes used by other FISH companies. To obtain a filter set optimized for ZytoLight® fluorochromes, please provide your local dealer with information concerning the manufacturer and type of your microscope and its approximate age.

Prod. No	Product	Detected Fluorochrome
E-4003-1	DAPI Single Bandpass Filter Set	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/●/●