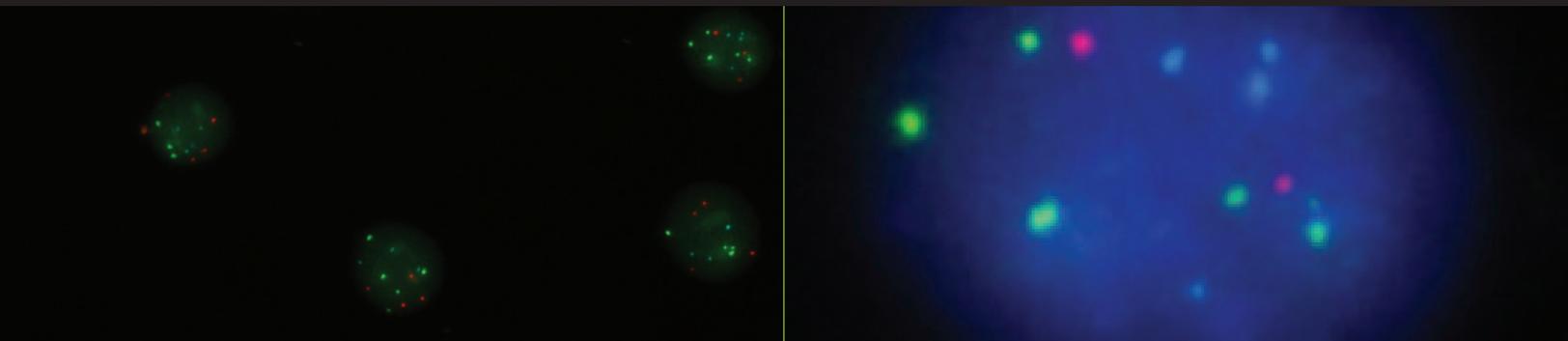


X-Cite NOVEM™ & XYLIS™ Filters for FISH



Fluorescence *in situ* hybridization is widely used in cell biology, genomics research, and well as by clinicians in diagnostics for preventative medicine. FISH has traditionally employed HBO or mercury lamps in order to excite fluorophores. As it requires the excitation of multiple fluorophores, narrow-band filters are often used to enable signal separation. This also has the less-desirable effect of reducing the signal intensity. Thus, between potentially low signals and narrow-band filter use, a powerful illumination source is required to excite fluorescence in the sample.

X-Cite NOVEM and X-Cite XYLIS are two high power illumination options available using LaserLED Hybrid Drive® technology to boost the signal in the traditional Green Gap (500-600nm), enabling users to move away from lamp technology.

The X-Cite **XYLIS** is a broadspectrum LED illuminator that excels in FISH imaging with its high excitation power. Users can turn the light ON and OFF within a matter of microseconds, and the microscope filter wheel can narrow the excitation wavelengths as needed.

The X-Cite **NOVEM** is a 9-channel switchable LED illuminator that can accommodate 25mm excitation clean-up filters within the unit in order to narrow the excitation light before it enters the microscope. These discrete illumination channels eliminate the need for an excitation filter wheel and shutter allowing for faster imaging.

FISH Filter Cubes for Use with X-Cite NOVEM & XYLIS

FISH Fluorophore	NOVEM Clean-Up Exciters	Semrock Filter	Chroma Filter
Blue/DAPI	378/52	LF405/LP-B-000	49301
Aqua	438/24	SpAqua-C-000	49302
Green	474/27	SpGr-B-000	49303
Gold	534/20	SpGold-B-000	49304
Orange	543/22	SpOr-B-000	49305
Red	578/21	SpRed-B-000	49306
Far-Red	630/20	LF635-000	49307
DAPI / Green / Orange FISH			69013v2
DAPI / Green / Red FISH			69015
DAPI / FITC / Texas Red® FISH			89083

X-Cite NOVEM & XYLIS with Overlaid FISH Filters

