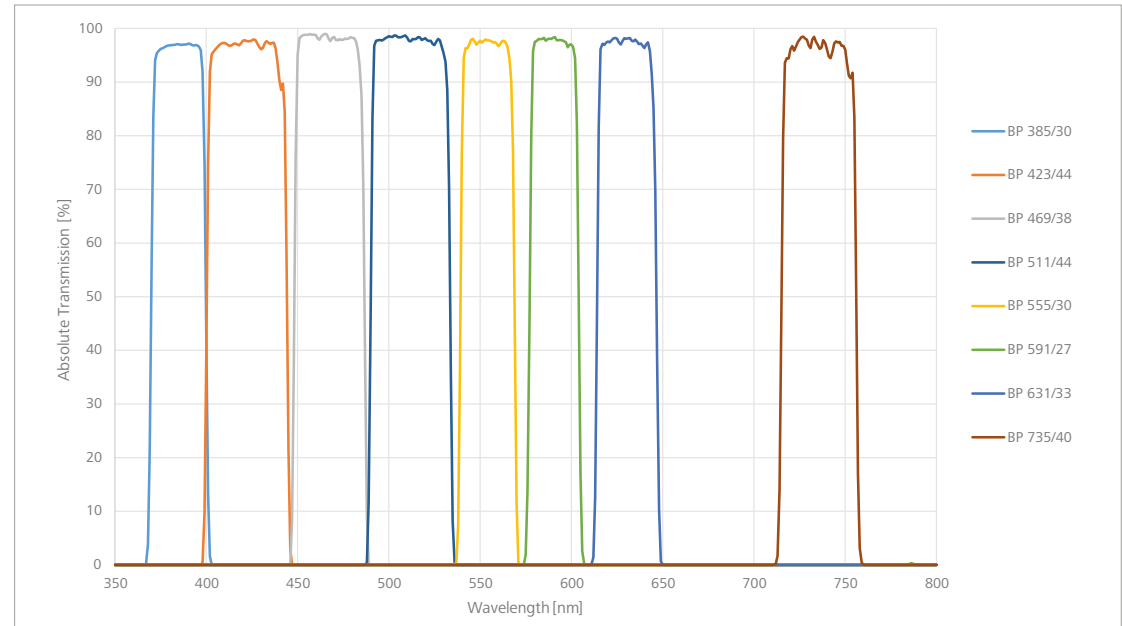


# Your Insight into the Technology Behind It

- › In Brief
- › **The Advantages**
- › The Applications
- › The System
- › Technology and Details
- › Service

With Colibri 7, you use up to six different LEDs to generate up to seven fluorescence excitation lines for your sample. All LEDs besides the Green/Yellow line [G/Y] come with individual excitation filters. The [G/Y] line uses a lime LED (567 / 100 nm) and a motorized filter changer to emit green (555 nm) or yellow (590 nm) light on demand.

Available excitation lines of Colibri 7 are exactly centered around the common dyes and fluorescent proteins.



Built-in excitation filter of ZEISS Colibri 7

## Available Excitation Bands for ZEISS Colibri 7

Line	Wavelength / Bandwidth	Recommended Dye (Examples)
UV	385/30 nm	DAPI, Hoechst 33342, Hoechst 33258, Alexa Fluor 350, Alexa Fluor 405, Indo-1, eBFP/BFP, eGFP (wt), True Blue
V	423/44 nm	Pacific Blue, Lucifer Yellow, Alexa Fluor 433, eCFP, Cerulean
B	469/38 nm	FM1-43, Cy2, eGFP, NBD, MitoTracker Green, Alexa Fluor 488, BCECF, Calcein, DiO SNAFL, YO-Pro-1, Nissl, LysoSensor Green, mHoneydew, FITC/Fluorescein, Kaede (green/red), PerCP, YoYo-1, FuraRed
C	511/44 nm	Rhodamine 123, Fluo-4, Oregon Green BAPTA, Sytox Green, eYFP, FM4-64, Eosin/HE, Acridine Orange, JC1, Bodipy FL, Propidium Iodide, Spectrum Green, Calcium Green
G	555/30 nm	TRITC, 7-AAD, Cy3, tdTomato, Alexa Fluor 546, Alexa Fluor 555, DsRed, mOrange, TagRFP, SNARF, DyLight 549, Spectrum Orange
Y	590/27 nm	MitoTracker RED FM/CMXRos, txRed, mCherry, mRFP1, Cy3.5, Rhodamine B, Alexa Fluor 568, DyLight 594, Alexa Fluor 594, Bodipy TR
R	631/33 nm	Alexa Fluor 633, Alexa Fluor 647, Cy5, DRAQ5, ToTo-3, ATTO-655, MitoTracker DeepRed, APC, ATTO-647N
FR	735/40 nm	Alexa Fluor 750, Alexa Fluor 790, Cy7, Cy7.5