| | | Excitation Laser (nm) | | | | | |
|----|-----------|---|---|---|--|----|----|
| Ch | Band (nm) | 405 | 488 | 561 | 642 7 | 85 | Ch |
| 1 | 430-480 | BRIGHTFIELD | | | | | 1 |
| 2 | 480-560 | | FITC, AF488, GFP, YFP, DyLight488, PKH67, Syto13, SpectrumGreen, LysoTrackerGreen, MitoTrackerGreen, QD525* | | | | 2 |
| 3 | 560-595 | | PE , PKH26, Cy3, AF555, DSRed | PE, Cy3, AF546, AF555, DyLight549, DyLight594*, PKH26, DSRed, SpectrumOrange, MitoTrackerOrange | | | 3 |
| 4 | 595-640 | | PE-TexRed*, ECD* , PE- AF610*, 7AAD*, PI*, RFP, QD625*, eFluor625* | AF568*, AF594*, AF610*, DyLight594*, PE-TexRed*, ECD*, TexRed*, PE-AF610*, RFP, mCherry*, 7AAD*, PI* | | | 4 |
| 5 | 640-745 | | PE-Cy5*, PE-AF647*, PerCP*, PerCP-Cy5.5*, DRAQ5*, QD705*, eFluor650* | PE-Cy5*, PE-AF647*, DRAQ5* | | | 5 |
| 6 | 745-800 | | PE-Cy7*, PE-AF750* , QD800 | PE-Cy7*, PE-AF750* | S | sc | 6 |
| 7 | 430-505 | DAPI, Hoechst, PacBlue, CascadeBlue, AF405, eFluor405, DyLight405, CFP, LIVE/DEAD Violet | | | | | 7 |
| 8 | 505-570 | PacOrange, CascadeYellow, AF430, QD525* | | | | | 8 |
| 9 | 570-595 | | | BRIGHTFIELD | | ╗ | 9 |
| 10 | 595-640 | QD625*, eFluor625* | | | | | 10 |
| 11 | 640-745 | QD705*, eFluor650* | | | APC, AF647, AF660, AF680, DRAQ5, Cy5, DyLight649, DyLight680, PE- AF647, PE-Cy5, PerCP, PerCP- Cy5.5 | | 11 |
| 12 | 745-800 | QD800* | | | APC-Cy7, APC-AF750, APC-eFluor750, Cy7, AF750, DyLight750, eFluor750, PE-Cy7*, PE-AF750* | | 12 |

Dyes with an * are excited by at least one laser directed to camera1 and another directed to camera2. The channel that the dye will appear brightest in depends on the relative laser powers used. Recommended dyes (based on optimal excitation and detection channels) are in boldface. QD565 and QD585 are not included because their primary fluorescence appears in the Ch9 Brightfield reference image.