

| Laser | Mirror | Filter | Channel name | Comments |
|----------------------|---------------|---------------|---|--|
| Near-UV 375nm | 610LP | 670LP | AlexaFluor 430, AmCyan | Cannot be used simultaneously with 405nm laser |
| | | 450/20 | AlexaFluor 405, Cascade Blue, DAPI | |
| Violet 405nm | 735LP | 780/60 | Qdot800, BV785 | Cannot be used simultaneously with 375nm laser IMPORTANT NOTE: Laser power of violet laser is at ~50% of standard value due to age. Only use violet laser for well resolved and strong signals but not for important read-outs & dim signals. Laser will not be replaced. |
| | 610LP | 616/23 | Qdot605, BV605 | |
| | 556LP | 585/42 | Qdot585, BV570 | |
| | 502LP | 530/30 | Qdot545, Pacific Orange, AmCyan, Aqua L/D, BV510, | |
| | - | 450/50 | PacificBlue, AlexaFluor 405, BV421 | |
| Blue 488nm | 655LP | 695/40 | PerCP/PerCP-Cy5.5 | |
| | 502LP | 530/30 | FITC, GFP | |
| | - | 488/10 | SSC | |
| YellowGreen 561nm | 735LP | 780/60 | PE-Cy7 | |
| | 630LP | 670/14 | PE-Cy5 | |
| | 600LP | 610/20 | PE-Texas Red, mCherry, PI | |
| | - | 582/15 | PE, DsRED | |
| Red 633nm | 735LP | 780/60 | APC-Cy7, APC-H7 | |
| | 680LP | 730/45 | AlexaFluor700 | |
| | - | 660/20 | APC | |

Spectral viewer: http://www.bdbiosciences.com/kr/research/multicolor/spectrum_viewer/index.jsp
<http://www.biolegend.com/spectraalyzer>