|  |  |  |
| --- | --- | --- |
|  | BD ARIA Fusion | 4 Laser Sorter |
|  |  |  |  |  |  |
| **Blue Laser (488nm,50mW)** |  | **Detector Name** | **Emission Capture (nm)** | **Example Fluors** |
|  |  |  |  |  |  |
| 488-Blue |  | A | 710/40 | PerCp-Cy5.5, PerCP-eF710 |  |
| 488-Blue |  | B | 525/50 | FITC, GFP, BB515 |  |
| 488-Blue |  |  | 488/10 | SSCFSC |  |
|  |  |  |  |  |  |
| **Violet Laser (405nm,50mW)** |  | **Detector Name** | **Emission Capture (nm)** | **Example Fluors** |  |
|  |  |  |  |  |  |
| 405-Violet |  | A | 780/60 | BV786, Qdot 800 |  |
| 405-Violet |  | B | 710/50 | BV711, Qdot 705 |  |
| 405-Violet |  | C | 670/30 | BV650, Qdot 655 |  |
| 405-Violet |  | D | 610/20 | BV605, Qdot 528 |  |
| 405-Violet |  | E | 525/50 | BV510, Pac Orange |  |
| 405-Violet |  | F | 450/50 | BV421, Pac Blue, Indo-1, AF405 |  |
|  |  |  |  |  |  |
| **Red Laser** **(640nm,40mW)** |  | **Detector Name** | **Emission Capture (nm)** | **Example Fluors** |  |
|  |  |  |  |  |  |
| 640-Red |  | A | 780/10 | APC-Cy7, APC-H7, AF750 |  |
| 640-Red |  | B | 730/45 | AF700, APC-R700 |  |
| 640-Red |  | C | 670/14 | APC, AF647, RG665 |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **Yellow Green Laser** **(561nm,50mW)** |  | **Detector Name** | **Emission Capture (nm)** | **Example Fluors** |  |
|  |  |  |  |  |  |
| 561-Yellow-Green |  | A | 780/60 | PE-Cy7 |  |
| 561-Yellow-Green |  | B | 660/20 | PE-Cy5 |  |
| 561-Yellow-Green |  | C | 610/20 | PE-Texas Red |  |
| 561-Yellow-Green |  | D | 586/15 | PE, O. 58 |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Fusion is compatable with the 5 laser Fortessa to go from analysis to sorting configuration for separation of rare events |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |
|  | DIVA 8.0 Software, Digital data, Fluidics are differential pressure ( NOT volumetric injection )Flow rate: Lo = 12ul/min; Med = 35ul/min; Hi = 60ul/min when fine adj. at mid valueLasers polygon detector arrays use dichroic longpass mirrors on the inside, and bandpass filters onthe outside of the filter holders. |