|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 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 | | SSC  FSC |  |
|  |  |  |  | |  |  |
| **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 |  |  |  | |  |  |
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|  |  | | | | | |
|  | 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 value  Lasers polygon detector arrays use dichroic longpass mirrors on the inside, and bandpass filters on  the outside of the filter holders. | | | | | |