

## JF Fortessa HTS Laser Parameters

| Laser $\lambda$      | PMT | Filter | Fluorophores                                      |
|----------------------|-----|--------|---|
| Violet - 405nm       |     |        |   |
|                      | A   | 780/60 | BV 786  |
|                      | B   | 747/27 | n/a   |
|                      | C   | 710/20 | BV 711  |
|                      | D   | 660/20 | BV 650  |
|                      | E   | 610/20 | BV 605  |
|                      | F   | 582/15 | BV 570, Pacific Orange, L/D Yellow, Zombie Yellow |
|                      | G   | 525/50 | BV 510, L/D Aqua, V500, Zombie Aqua               |
|                      | H   | 450/50 | BV 421, L/D Violet, DAPI, Pacific Blue            |
| Blue - 488nm         |     |        |   |
|                      | A   | 710/50 | PerCP, PerCP-Cy5.5, PerCP eflour 710, PI, 7AAD    |
|                      | B   | 530/30 | FITC, GFP, AF 488, CFSE                           |
| Yellow-Green - 561nm |     |        |   |
|                      | A   | 780/60 | PE-Cy7  |
|                      | B   | 710/50 | PE-Cy5.5  |
|                      | C   | 660/20 | PE-Cy5, 7AAD                                      |
|                      | D   | 610/20 | PE-CF594, PE-TR, mCherry, PI                      |
|                      | E   | 582/15 | PE, DsRed, tdTomato, RFP                          |
| Red - 640nm          |     |        |   |
|                      | A   | 780/60 | APC-Cy7, Zombie NIR                               |
|                      | B   | 710/50 | AF 700  |
|                      | C   | 660/20 | APC, AF 647                                       |

17 Fluorescent Parameters