

# BD LSRFortessa™ Cell Analyzer

## Bandpass Filter Guide\*

| Dyes  | Application  | Standard Filters | Standard Mirrors |
|---|--|------------------|------------------|
| <b>355 nm</b>   |  |                  |                  |
| BD Horizon Brilliant™ Ultraviolet 395                                 | Cell surface markers                                       | 379/28           | NA               |
| DAPI, Hoechst   | Cell cycle   | 450/50           | NA               |
| Alexa Fluor® 350  | Cell surface markers                                       | 450/50           | NA               |
| Indo-1 (violet)   | Ca <sup>2+</sup> flux                                      | 450/50           | NA               |
| Indo-1 (blue)   | "  | 530/30           | 505 LP           |
| BD Horizon Brilliant™ Ultraviolet 737                                 | Cell surface markers                                       | 740/35           | 690 LP           |
| <b>405 nm</b>   |  |                  |                  |
| BD Horizon Brilliant™ Violet 421, BD Horizon™ V450, Pacific Blue™     | Cell surface markers                                       | 450/50           | NA               |
| BD Horizon Brilliant™ Violet 510, BD Horizon™ V500, AmCyan            | "  | 525/50           | 475 LP           |
| Qdot® 565   | "  | 560/20           | 545 LP           |
| Qdot 585  | "  | 585/15           | 575 LP           |
| Qdot 605  | "  | 605/12           | 595 LP           |
| Qdot 655  | "  | 655/8            | 630 LP           |
| <b>488 nm</b>   |  |                  |                  |
| SSC   | Cell surface markers, live/dead discrimination, cell cycle | 488/10           | NA               |
| FITC, BD Horizon Brilliant™ Blue 515, Alexa Fluor® 488                | "  | 530/30           | 505 LP           |
| PE  | "  | 575/26           | 550 LP           |
| PE-Texas Red®, PI   | "  | 610/20           | 600 LP           |
| PE-Cy™5   | "  | 670/30           | 655 LP           |
| PerCP, PE-Cy™5.5  | "  | 695/40           | 685 LP           |
| PE-Cy™7   | "  | 780/60           | 750 LP           |
| <b>561 nm</b> <span style="float: right;">Special Order Option</span> |  |                  |                  |
| <b>640 nm</b>   |  |                  |                  |
| APC   | Cell surface markers                                       | 670/14           | NA               |
| Alexa Fluor® 680  | "  | 685/35           | 675 LP           |
| Alexa Fluor® 700  | "  | 730/45           | 710 LP           |
| APC-Cy7, APC-H7   | "  | 780/60           | 750 LP           |

\* Filter configurations recommended by BD Biosciences. Other application-specific lasers are available through the special order program.

LP = Longpass Filter

### Optional Filters and Mirrors

| Fluorochrome                                     | Filter | Cat. No.      | Mirror | Cat. No.      |
|--|--------|---------------|--------|---------------|
| BD Horizon Brilliant Violet 421, BD Horizon V450 | 450/40 | <b>656738</b> | na     | na            |
| BD Horizon Brilliant Violet 510, BD Horizon V500 | 525/50 | <b>656739</b> | 505LP  | <b>656745</b> |
| BD Horizon Brilliant™ Violet 605                 | 610/20 | <b>656740</b> | 595LP  | <b>656746</b> |
| BD Horizon Brilliant™ Violet 650                 | 660/20 | <b>656741</b> | 630LP  | <b>656747</b> |
| BD Horizon Brilliant™ Violet 711                 | 710/50 | <b>656742</b> | 690LP  | <b>656748</b> |
| BD Horizon Brilliant™ Violet 786                 | 780/60 | <b>656743</b> | 750LP  | <b>656749</b> |
|  | 450/40 |               | -      |               |
|  | 525/50 |               | 505LP  |               |
| Combo packs                                      | 610/20 | <b>656744</b> | 595LP  | <b>656750</b> |
|  | 660/20 |               | 630LP  |               |
|  | 710/50 |               | 690LP  |               |
|  | 780/60 |               | 750LP  |               |

Class 1 Laser Product.

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