

Special Order BD™ LSR II Cell Analyzer

Recommended Filter Guide*

Dyes	Application	Special Order Filters	Special Order Mirrors
355 nm			
DAPI/Hoechst	Cell cycle	450/50	NA
Indo-1 (Ca bound)	Ca ⁺² flux	450/50	NA
Indo-1 (Ca unbound)	"	530/30	505 LP
Hoechst Red	Side population	675/50	635 LP
405 nm			
BD Horizon™ V450/Pacific Blue™	Cell surface markers	450/50	NA
AmCyan/Alexa Fluor® 430	"	525/50 ¹	505 LP
Qdot 565	"	560/40	545 LP
Qdot 585	"	585/42	555 LP
Qdot 605	"	610/20	600 LP
Qdot 655	"	670/30	635 LP
Qdot 700	"	710/50	685 LP
Qdot 705	"	710/50	685 LP
Qdot 800	"	800/30	735 LP
488 nm			
SSC	Cell surface markers, live/dead discrimination, cell cycle	488/10	NA
FITC/Alexa Fluor® 488	"	530/30 ¹	505 LP
PE ²	"	575/25	555 LP
PE-Texas Red®/PI	"	610/20	600 LP
PE-Cy™5	"	670/30	640 LP
PerCP	"	675/20	635 LP
PE-Cy™5.5	"	695/40 or 710/50	685 LP
PE-Cy™7	"	780/60	755 LP
532 nm			
PE ²	Cell surface markers	575/25	555 LP
PE-Texas Red®	"	610/20	600 LP
PE-Cy5	"	670/30	635 LP
PE-Cy5.5	"	710/50 or 695/40	670 LP
PE-Cy7	"	780/60	735 LP
561 nm			
PE/DsRed	Cell surface markers	585/20 or 585/15	570 LP
PE-Texas Red®/mCherry	"	610/20	600 LP
PE-Cy5	"	660/20	635 LP
PE-Cy5.5	"	710/50	685 LP
PE-Cy7	"	780/60	735 LP
640 nm			
APC/Alexa Fluor® 647	Cell surface markers	670/30	NA
Alexa Fluor® 700	"	730/45	690 LP
APC-Cy7 or APC-H7	"	780/60	735 LP ³

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

LP = Longpass Filter ¹525/50 with a notch filter if using 532-nm laser

²When using a PE conjugate with a 561-nm laser, it is necessary to replace the 585/42 filter with a 582/15 filter, regardless of which laser (blue, green, or yellow-green) is exciting the PE dyes.

³755 LP if using with Alexa Fluor® 700

Cy™ is a trademark of Amersham Biosciences Corp. Cy dyes are subject to proprietary rights of Amersham Biosciences Corp and Carnegie Mellon University and are made and sold under license from Amersham Biosciences Corp only for research and in vitro diagnostic use. Any other use requires a commercial sublicense from Amersham Biosciences Corp, 800 Centennial Avenue, Piscataway, NJ 08855-1327, USA.

Alexa Fluor® and Texas Red® are registered trademarks and Pacific Blue™ is a trademark of Molecular Probes, Inc.

The Alexa Fluor®, Pacific Blue™, and Cascade Blue® dye antibody conjugates in this product are sold under license from Molecular Probes, Inc., for research use only, excluding use in combination with microarrays, or as analyte specific reagents. The Alexa Fluor® dyes (except for Alexa Fluor® 430), Pacific Blue™ dye, and Cascade Blue® dye are covered by pending and issued patents.

Qdot® is a registered trademark of Quantum Dot.

Class I (1) Laser product.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

BD, BD Logo and all other trademarks are property of Becton, Dickinson and Company. © 2009 BD
23-10607-01



BD Biosciences
2350 Qume Drive
San Jose, CA 95131
answers@bd.com
bdbiosciences.com