

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

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23-10607-01



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