

## FACSVantage SE Laser Selection & Fluorochrome Emissions Chart by Application

APPLICATION	Innova 70C-4	Innova 70C-Spectrum	Innova 90C-A4	Innova 90C-A5	Innova 302C Krypton	Innova 304C-UV	Innova 305C-UV	Innova 306C-UV	Enterprise IIC	Spectra Physics HeNe	Omnichrome HeCd	Spectra Physics 177G	CR-599 Dye Laser
<b>IMMUNOPHENOTYPING</b>													
Fluorescein (FITC)	525 nm 575 nm	525 nm 575 nm	525 nm 575 nm	525 nm 575 nm	525 nm 575 nm	525 nm 575 nm	525 nm 575 nm	525 nm 575 nm	525 nm 575 nm	525 nm 575 nm		525 nm 575 nm	
Phycoerythrin (PE)	670 nm 695 nm	670 nm 695 nm	670 nm 695 nm	670 nm 695 nm	670 nm 695 nm	670 nm 695 nm	670 nm 695 nm	670 nm 695 nm	670 nm 695 nm	670 nm 695 nm		670 nm 695 nm	
Peridinin Chlorophyll Protein (PerCP)	630 nm	630 nm	630 nm	630 nm	630 nm	630 nm	630 nm	630 nm	630 nm	630 nm		630 nm	
PerCP-Cy 5.5	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm		670 nm	630 nm 670 nm
Texas Red (TR)	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm		670 nm	
Allophycocyanin (APC)	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm		670 nm	
Rhodamine (TRITC)	760 nm	760 nm	760 nm	760 nm	760 nm	760 nm	760 nm	760 nm	760 nm	760 nm		760 nm	
APC-Cy7 (PharRed)	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm	670 nm		670 nm	
PE-Cy5 (CyChrome)	419 nm	419 nm	419 nm	419 nm	419 nm	419 nm	419 nm	419 nm	419 nm	419 nm		670 nm	
Cascade Blue	460 nm	460 nm	460 nm	460 nm	460 nm	460 nm	460 nm	460 nm	460 nm	460 nm			
Marina Blue	460 nm	460 nm	460 nm	460 nm	460 nm	460 nm	460 nm	460 nm	460 nm	460 nm			
Cascade Yellow	570 nm	570 nm	570 nm	570 nm	570 nm	570 nm	570 nm	570 nm	570 nm	570 nm			
AMCA 350	445 nm	445 nm	445 nm	445 nm	445 nm	445 nm	445 nm	445 nm	445 nm	445 nm			
<b>DNA CELL CYCLE</b>													
DAPI													
Hoechst 33342	480 nm	480 nm	480 nm	480 nm	480 nm	480 nm	480 nm	480 nm	480 nm	480 nm		480 nm	
Propidium Iodide (PI)	475 nm	475 nm	475 nm	475 nm	475 nm	475 nm	475 nm	475 nm	475 nm	475 nm		475 nm	
7-Aminoactinomycin D (7-AAD)	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm		620 nm 660 nm	
<b>DNA/RNA</b>													
Acridine Orange (AO)	530 nm 650 nm	530 nm 650 nm	530 nm 650 nm	530 nm 650 nm	530 nm 650 nm	530 nm 650 nm	530 nm 650 nm	530 nm 650 nm	530 nm 650 nm	530 nm 650 nm		530 nm 650 nm	
<b>CHROMOSOMES</b>													
Chromomycin													
Hoechst 33342	478 nm	478 nm	478 nm	478 nm	478 nm	478 nm	478 nm	478 nm	478 nm	478 nm			
<b>LIVE-DEAD DISCRIMINATION</b>													
Ethidium Monoazide	625 nm	625 nm	625 nm	625 nm	625 nm	625 nm	625 nm	625 nm	625 nm	625 nm		625 nm	
Propidium Iodide	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm	620 nm 660 nm		620 nm 660 nm	
7-Aminoactinomycin D (7-AAD)	660 nm	660 nm	660 nm	660 nm	660 nm	660 nm	660 nm	660 nm	660 nm	660 nm		660 nm	
<b>RETICULOCYTES (RNA)</b>													
Thiazole Orange	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm		525 nm	
Pyronin Y	575 nm	575 nm	575 nm	575 nm	575 nm	575 nm	575 nm	575 nm	575 nm	575 nm		575 nm	
<b>CELL FUNCTION</b>													
Fluo-3	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm		525 nm	
SNARF	575 nm	575 nm	575 nm	575 nm	575 nm	575 nm	575 nm	575 nm	575 nm	575 nm		575 nm	
Indo-1 (Bound)	405 nm	405 nm	405 nm	405 nm	405 nm	405 nm	405 nm	405 nm	405 nm	405 nm		405 nm	
(Free)	485 nm	485 nm	485 nm	485 nm	485 nm	485 nm	485 nm	485 nm	485 nm	485 nm		485 nm	
DiOOn	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm		525 nm	
Rhodamine 123	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm	525 nm		525 nm	

## FACSVantage SE Laser Information Table

	Water-Cooled Lasers										Air-Cooled Lasers				Other
	Innova 70C-4	Innova 70C-Spectrum	Innova 90C-A4	Innova 90C-A5	Innova 302C Krypton	Innova 304C-UV	Innova 305C-UV	Innova 306C-UV	Enterprise IIC	Spectra Physics HeNe	Omnichrome HeCd	1776 Argon-ion	CR-599 Dye Laser		
<b>Multiline Visible</b>	4.00W	2.50W	4.00W	5.00W		4.00W	5.00W	6.00W							
Red 676 nm		0.25W													
Red 647 nm															
Red 633 nm															
Yellow 568.3 nm		0.15W													
Green 530.9 nm		0.13W													
Green 528.7 nm			0.30W	0.35W											
Green 520.8 nm		0.13W			0.03W										
Green 514.5 nm	1.70W	0.25W	1.70W	2.00W		1.70W	2.00W	2.40W							
Blue 488 nm	1.30 W	0.25W	1.30W	1.50W		1.30W	1.50W	1.80W	0.18W			0.10W			
Blue 482.5 nm															
Blue 476.2 nm															
Blue 457.9 nm	0.30W	0.03W	0.30W	0.35W		0.25W	0.35W	0.42W							
Violet 413.1 nm					0.30W										
Violet 406.7 nm					0.20W										
UV (MM) 325 nm										0.035W					
<b>Multiline Violet</b>															
406.7-415.4 nm					0.60W										
<b>Multiline UV (Argon)</b>															
351.1-363.8 nm			0.20W	0.30W		0.20W	0.40W	0.50W	0.05W						
<b>Multiline UV - Kr</b>															
350.7-356.4 nm					0.50W										
<b>Multiline UV (Ar-Kr)</b>															
350.7-363.8 nm		0.05W													