

Discover S8 (CRTD 3rd floor south, room 3.113)

Laser	Channel	Optical filters		Fluorochrome examples
		BP	band	
UV 355 nm	UV 1	375 / 20	365 385	BUV395
	UV 2	392 / 14	385 399	
	UV 3	420 / 20	410 430	
	UV 4	440 / 20	430 450	
	UV 5	459 / 18	450 468	
	UV 6	476 / 16	468 484	AF350, LIVE/DEAD Blue, eFI455, Ghost Dye, UV450
	UV 7	501 / 16	493 509	
	UV 8	517 / 16	509 525	BUV496, DAPI, Zombie UV
	UV 9	532 / 16	524 540	
	UV 10	547 / 16	539 555	BUV563
	UV 11	574 / 16	566 582	
	UV 12	590 / 16	582 598	
	UV 13	607 / 18	598 616	BUV615
	UV 14	625 / 18	616 634	
	UV 15	655 / 20	645 665	BUV661
	UV 16	675 / 20	665 685	
	UV 17	698 / 26	685 711	BUV737
	UV 18	724 / 26	711 737	
	UV 19	752 / 30	737 767	
	UV 20	782 / 30	767 797	BUV805
	UV 21	812 / 30	797 827	
	UV 22	844 / 34	827 861	
Violet 405 nm	V 1	420 / 20	410 430	BV421
	V 2	440 / 20	430 450	cFluor V420, Super Bright 436, AF405, Zombie Violet, ViaKrome 405
	V 3	459 / 18	450 468	cFluor V450, Pacific Blue, VioBlue, BFP, LIVE/DEAD Violet, CellTrace Violet, Fixable Viability Stain 450, Ghost Dye Violet 450, violetFluor 450, eFI450, V450
	V 4	476 / 16	468 484	BV480, AmCyan, mCerulean3, violetFluor 500
	V 5	501 / 16	493 509	CFP, Sapphire
	V 6	517 / 16	509 525	
	V 7	532 / 16	524 540	BV510, eFluor 506, Amethyst Orange, VioGreen, Zombie Aqua, OC515, V500, LIVE/DEAD Aqua, Krome Orange, Ghost Dye Violet 510 & 540, Fixable Viability Stain 510
	V 8	547 / 16	539 555	cFluor V547, BV570, Pacific Orange, LSSmOrange, LIVE/DEAD Yellow, Live-or-Dye 405/545
	V 9	574 / 16	566 582	
	V 10	590 / 16	582 598	cFluor V610, BV605, Qdot 605, Super Bright 600, Zombie Yellow, Fixable Viability Stain 575V
	V 11	607 / 18	598 616	
	V 12	625 / 18	616 634	BV650, Qdot 655, Super Bright 645
	V 13	655 / 20	645 665	
	V 14	675 / 20	665 685	BV711, Qdot 705, Super Bright 702
	V 15	698 / 26	685 711	
	V 16	724 / 26	711 737	BV750
	V 17	752 / 30	737 767	BV785, Qdot 800, Super Bright 780
	V 18	782 / 30	767 797	
	V 19	812 / 30	797 827	
	V 20	844 / 34	827 861	
Blue 488 nm	B 1	501 / 16	493 509	cFluor B515, Vio 515, BB515, CellTrace Calcein Green AM, Live-or-Dye 488/515
	B 2	517 / 16	509 525	cFluor B532, AF488, CFSE, CellTracker Green, CMFDA, FITC, GFP, Ghost Dye Blue 516, Kiravia Blue 520, Zombie Green
	B 3	532 / 16	524 540	
	B 4	547 / 16	539 555	cFluor B548, Alexa Fluor 532, eFluor 520, Fixable Viability Stain 520, LIVE/DEAD Green, Live-or-Dye 510/550, MitoTracker Green, Northern Lights 493, Spark Blue 550, SYTOX Green, Venus, VioBright FITC, YFP
	B 5	574 / 16	566 582	
	B 6	590 / 16	582 598	
	B 7	607 / 18	598 616	BB630, MitoSOX Red
	B 8	625 / 18	616 634	
	B 9	655 / 20	645 665	BB660
	B 10	675 / 20	665 685	PerCP
	B 11	698 / 26	685 711	cFluor B690, PerCP-Cy5.5, BB700
	B 12	724 / 26	711 737	PerCP-eFluor710, PerCP-Vio 700
	B 13	752 / 30	737 767	BB755
	B 14	782 / 30	767 797	BB790
	B 15	812 / 30	797 827	
	B 16	844 / 34	827 861	
Yellow-Green 561 nm	YG 1	574 / 16	566 582	cFluor BYG575, cFluor YG584, AF546, AF555, BYG584, CellTrace Yellow, Cy3, DsRed, eFI570, Fixable Viability Stain 570, Live-or-Dye 568/583, MitoTracker Orange, mOrange, Northern Lights 557, PE, RFP, Spark YG 570, SYTOX Orange, TAMRA, TMRE, TMRM, ViaKrome 561
	YG 2	590 / 16	582 598	mApple
	YG 3	607 / 18	598 616	
	YG 4	625 / 18	616 634	cFluor BYG610, cFluor YG610, mCherry, AF568, AF594, CellTrace BODIPY, ECD,
	YG 5	655 / 20	645 665	7-AAD, Fixable Viability Stain 620, mKate, PE-Alexa Fluor 610, PE/Fire 640, PI
	YG 6	675 / 20	665 685	cFluor BYG667, PE-Cy5
	YG 7	698 / 26	685 711	cFluor BYG680
	YG 8	724 / 26	711 737	cFluor BYG710, PE-Alexa Fluor 700, PE-Cy5.5, PE/Fire 700
	YG 9	752 / 30	737 767	cFluor BYG781, PE-Cy7, PE-Vio 770
	YG 10	782 / 30	767 797	
	YG 11	812 / 30	797 827	
	YG 12	844 / 34	827 861	
Red 640 nm	R 1	655 / 20	645 665	cFluor R659, APC, CellTrace Far Red, ViaKrome 638
	R 2	675 / 20	665 685	cFluor R668, AF647, eFI660, Fixable Viability Stain 660, Janelia Fluor 646, LIVE/DEAD Far Red, Live-or-Dye 640/662, Northern Lights 637, SYTOX Deep Red, Vio 667, VioBright 667
	R 3	698 / 26	685 711	
	R 4	724 / 26	711 737	cFluor R720, AF680, AF700, APC-AF700, APC-R700, Fixable Viability Stain 700, Ghost Dye Red 710, R718, redFluor 710
	R 5	752 / 30	737 767	ViaKrome 808
	R 6	782 / 30	767 797	Zombie NIR
	R 7	812 / 30	797 827	cFluor R780, AF750, APC-AF750, APC-C750, APC-Cy7, APC-eFI780, APC/Fire 750, APC-H7, APC-Vio 770, eFI780, Fixable Viability Stain 780, Ghost Dye Red 780, LIVE/DEAD NIR, Live-or-Dye 750/777
	R 8	844 / 34	827 861	cFluor R840, APC/Fire 810
Imaging 488 nm	B 1	534 / 46	511 557	FITC...
	B 2	600 / 60	570 630	PE...
	B 3	788 / 225	676 901	PerCP, PE-Cy7...