SONY ID7000 Spectral Cell Analyzer

Fluorophore selection guide SONY ID7000 Spectral Cell Analyzer

acar	Channel	Channel start and from	Recommended Invitrogen™ dye for antibody	Abs/Em (nm)	Polotivo bright
_aser	Channel	Channel start-end (nm)	conjugates	Abs/Em (nm)	Relative brightness
DUV 320 nm	DUV1-DUV34, DUV35	375-839, 840LP			
	UV1 UV2	375–419	Brilliant Ultra Violet™ 395 Dye	347/399	Low
	UV3	420–449 450–495	Brilliant Ultra Violet™ 496 Dye	348/493	Medium
	UV4-UV10	496–572	Dellises I Har Vis Latin CC2 Due	240/502	Market and
	UV11 UV12–UV13	573–583 584–606	Brilliant Ultra Violet™ 563 Dye	349/563	Medium
114	UV14	607–617	Brilliant Ultra Violet™ 615 Dye	350/607	High
Jltraviolet 	UV15–UV17 UV18	618–650 651–661	Brilliant Ultra Violet™ 661 Dye	349/659	Lliab
355 nm	UV19-UV24	662–728	Brilliant Oltra Violet *** 60 i Dye	349/659	High
	UV25	729–739	Brilliant Ultra Violet™ 737 Dye	350/740	High
	UV26–UV27 UV28	740–761 762–772	eBioscience™ NovaFluor™ UV 765 Dye	358/763	Medium
	UV29-UV30	773–794			wearam
	UV31 UV32–UV34, UV35	795–805	Brilliant Ultra Violet™ 805 Dye	349/804	Medium
	V1	806-839, 840LP 420-449	Brilliant Violet™ 421 Dye	406/423	High
	V2	450-469	eBioscience™ eFluor™ 450 Dye	405/445	Low
	V3	470–495	Brilliant Violet™ 480 Dye	437/478	Medium
	V4	496–506	eBioscience™ eFluor™ 506 Dye	419/508	Low
	V5–V6	507-528	D. 'S. O TV D	400/554	
	V7 V8–V12	529–539 540–594	Pacific Orange™ Dye	400/551	Low
	V13	595-606	Brilliant Violet™ 605 Dye	407/605	Medium
	V14–V16 V17	607–639 640–650	eBioscience™ Super Bright™ 645 Dye	414/645	Low
iolet 405 nm	V17 V18	640–650 651–661	Brilliant Violet™ 650 Dye	407/646	Low High
	V19-V20	662-683			
	V21 V22	684–694 695–705	eBioscience™ NovaFluor™ Violet 690 Dye eBioscience™ Super Bright™ 702 Dye	408/691 413/702	High Medium
	V23	685–735	Brilliant Violet™ 711 Dye	406/711	Low
	V24-V25	718–739	Piccoinne TM Neur Chrartt Violat 745 Due	204/742	Law
	V26 V27–V29	740–750 751–783	eBioscience™ NovaFluor™ Violet 745 Dye	391/743	Low
	V30	784–794	Brilliant Violet™ 786 Dye	406/788	High
	V31 V32–V34, V35	795–805 806–839, 840LP	eBioscience™ NovaFluor™ Violet 800 Dye	408/800	Low
Blue 488 nm	B1	505-515	eBioscience™ NovaFluor™ Blue 510 Dye	496/511	Medium
	B2	516-526	El (EITO)	100/545	
	B3 B4	527–537 538–548	Fluorescein (FITC)	498/517	Medium
	B5	549-558	eBioscience™ NovaFluor™ Blue 555 Dye	493/555	Low
	B6-B7 B8	559-580	eBioscience™ NovaFluor™ Blue 585 Dye	493/586	Law
	B9-B10	581–591 592–612	ebloscience ···· Novariuoi ···· blue 565 bye	493/300	Low
	B11	613–623	eBioscience™ NovaFluor™ Blue 610-70S Dye	492/616	Medium
	B12-B14 B15	624–656 657–666	eBioscience™ NovaFluor™ Blue 660-120S Dye	492/665	Medium
	B16	567–677	PerCP	482/675	Low
	B17	678-688		10.1/000	
	B18 B19	689–699 700–710	eBioscience™ NovaFluor™ Blue 690 Dye	494/690	Low
	B20	711–720	PerCP-eFluor™ 710 Dye	482/708	High
	B21 B22–B24	721–731	eBioscience™ NovaFluor™ Blue 725 Dye	493/726	Medium
	B25	732–764 765–774	eBioscience™ NovaFluor™ Blue 760 Dye	490/764	Medium
	B26-B27	775–796			
	B28 B29–B31, B32	797-807 808-839, 840LP	eBioscience™ NovaFluor™ Blue 800 Dye	493/806	High
	YG1	575–585	eBioscience™ NovaFluor™ Yellow 570 Dye	551/566	Medium
	YG2	586-596	R-phycoerythrin (R-PE)	565/576	High
	YG3 YG4	597–606 607–617	eBioscience™ NovaFluor™ Yellow 610 Dye	551/614	High
	YG5–YG7	618–649			
	YG8 YG9	650–659 660–670	eBioscience™ NovaFluor™ Yellow 660 Dye eBioscience™ PE-Cyanine5 Dye	550/664 565/680	High High
	YG10	671–680	eBioscience™ NovaFluor™ Yellow 690 Dye	551/691	High
'ellow- green	YG11	681-691	eBioscience™ PE-Cyanine5.5 Dye	565/680	High
61 nm	YG12 YG13	692–702 703–712	eBioscience™ NovaFluor -Yellow 700 Dye	551/701	High
00111111	YG14	713–723	PE-Alexa Fluor™ 700 Dye	565/719	Medium
	YG15 YG16–YG17	724–733	eBioscience™ NovaFluor™ Yellow 730 Dye	551/730	High
	YG16-YG17 YG18	734–755 756–765	eBioscience™ NovaFluor™ Yellow 755 Dye	552/755	Medium
	YG19	766–776			
	YG20 YG21–YG22	777–786 787–808	PE-Cyanine7 Dye	569/780	High
	YG23	809-818	eBioscience™ NovaFluor™ Yellow 810 Dye	551/813	High
	YG24–YG25, YG26	819-839, 840LP			
led 640 nm	R1 R2	655–664 665–675	eBioscience™ NovaFluor™ Red 660 Dye Allophycocyanin (APC)	637/658 651/660	High High
	R3	676–685	eBioscience™ NovaFluor™ Red 685 Dye	637/685	High
	R4 R5	686–695	Alexa Fluor™ 660 Dye eBioscience™ NovaFluor™ Red 700 Dye	663/691 637/701	Medium
	R6	696–705 706–716	eBioscience™ NovaFluor™ Red 700 Dye eBioscience™ NovaFluor™ Red 710 Dye	637/701	High High
	R7	717–726	eBioscience™ NovaFluor™ Red 725 Dye	636/725	High
	R8-R9 R10	727–746 747–757	eBioscience™ NovaFluor™ Red 755 Dye	636/755	High
	R11-R12	758–777			· iigii
	R13	778–787	eBioscience™ APC-eFluor™ 780 Dye	651/785	High
	R14-R18, R19	788-839, 840LP			

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Reagent selection guide SONY ID7000 Spectral Cell Analyzer

SONY ID7000 Spectra	al Coll Analyzor				
30NT ID7000 Specific	ai Cell Allalyzei				
Laser	Channel	Channel start-end (nm)	Invitrogen™ functional reagent	Abs/Em (nm) F	eagent category
DUV 320 nm	DUV1-DUV34, DUV35	375-839, 840LP			
	UV1	375–419	CellTrace™ Blue Cell Proliferation Kit	355/410	Proliferation tracking stain
	UV2	420–449	Vybrant™ DyeCycle™ Violet Stain	369/437	DNA stain Apoptosis
Ultraviolet			AnnexinV™ Alexa Fluor™ 350 Conjugate LIVE/DEAD™ Fixable Blue Dead Cell Stain	343/441 350/450	tracking stain Fixable viability stain
355 nm	UV3	450–495	DAPI (4',6-diamidino-2-phenylindole)	358/461	DNA stain
	UV4 UV5-UV34,	496–506	Hoechst 33342	361/497	DNA stain
	UV35 V1	507-839, 840LP 420-449	Annexin V–Pacific Blue™ Conjugate	404/455	Apoptosis tracking stain
	••		CellTrace™ Violet Cell Proliferation Kit	405/450	Proliferation tracking stain
	V2	450–469	LIVE/DEAD™ Fixable Violet Dead Cell Stain	416/451	Fixable viability stain
			Annexin V–Pacific Blue™ Conjugate Click-iT™ Plus EdU Pacific Blue™ Flow Cytometry Assay Kit	404/455 404/455	Apoptosis tracking stain DNA stain
	V3	470–495	SYTOX™ Blue Nucleic Acid Stain	444/480	DNA stain
Violet 405 nm	V4	496–506	LIVE/DEAD™ Fixable Lime (506) Viability Kit	405/506	Fixable viability stain
VIOLET 400 IIIII	V5 V6	507–517 518–528	LIVE/DEAD™ Fixable Aqua Dead Cell Stain	375/526	Fixable viability stain
			Violet Ratiometric Membrane Asymmetry Probe/Dead Cell		
	V7	529–539	Apoptosis dye	425/530, 585	Apoptosis tracking stain
	V8-V10	540-572			
	V11	573-583	LIVE/DEAD™ Fixable Yellow Dead Cell Stain	400/575	Fixable viability stain
	V12–V34, V35	574-839, 840LP	CellEvent™ Senescence Green Flow Cytometry Assay Kit	488/514	Mitochondria stain
	B1	505–515	Vybrant™ DiO Cell-Labeling Solution	484/501	Lipophilic Tracer
	B2	516–526	CellROX™ Green Reagent	485/520	Oxidation tracking stain
			MitoTracker™ Green FM Dye, for flow cytometry Annexin V–FITC Conjugate	488/516 498/517	Mitochondria stain Apoptosis tracking stain
		527–537	CellTrace™ CFSE Cell Proliferation Kit	495/519	Proliferation tracking stain
	В3		Annexin V–Alexa Fluor™ 488 Conjugate	499/520	Apoptosis tracking stain
			LIVE/DEAD™ Fixable Green Dead Cell Stain	495/520	Fixable viability stain
			APO-BrdU™ TUNEL Assay Kit with Alexa Fluor™ 488 Anti-BrdU	499/520	DNA stain, apoptosis tracking stain
Blue 488 nm			Click-iT™ Plus EdU Alexa Fluor™ 488 Flow Cytometry Assay Kit	499/520	DNA stain
Dide 400 IIII			MitoProbe™ JC-1 Assay Kit pHrodo™ Green Maleimide <i>E. coli</i>	514/529, 590	Mitochondria stain
			BioParticles Conjugate pHrodo™ Green Maleimide S. aureus	509/533 509/533	Endocytosis tracking stain Endocytosis tracking stain
			BioParticles Conjugate CellEvent™ Caspase-3/7 Green Detection Reagent Vybrant™ DyeCycle™ Green Stain	502/530	Apoptosis tracking stain
			3 , , , , , ,	506/534	DNA stain
	B4 B5	538–548 549–558	LIVE DE ADIM Final La Oliva Viabilità Chair	480/557	Eivable viebility etein
	B6	559-569	LIVE/DEAD™ Fixable Olive Viability Stain Vybrant™ DyeCycle™ Orange Stain	519/563	Fixable viability stain DNA stain
	B7-B19	570-710			
	B7-B19 B20	711–720	eBioscience™ Annexin V–PerCP–eFluor™ 710 Conjugate	482/708	Apoptosis tracking stain
	B7-B19			482/708 545/565	Apoptosis tracking stain Oxidation tracking stain
	B7-B19 B20	711–720	eBioscience™ Annexin V–PerCP–eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V–Alexa Fluor™ 555 Conjugate	545/565 553/568	Oxidation tracking stain Apoptosis tracking stain
	B7-B19 B20 B21-B31, B32	711–720 721–839, 840LP	eBioscience™ Annexin V-PerCP-eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V-Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos	545/565 553/568 554/576	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain
	B7-B19 B20	711–720	eBioscience™ Annexin V–PerCP–eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V–Alexa Fluor™ 555 Conjugate	545/565 553/568 554/576 549/574 549/574	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain
	B7-B19 B20 B21-B31, B32	711–720 721–839, 840LP	eBioscience™ Annexin V–PerCP–eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V–Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red	545/565 553/568 554/576 549/574 549/574 546/579	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain
	B7-B19 B20 B21-B31, B32 YG1	711–720 721–839, 840LP 575–585	eBioscience™ Annexin V-PerCP-eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V-Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red Maleimide <i>E. coli</i> BioParticles Conjugate	545/565 553/568 554/576 549/574 549/574	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain Endocytosis tracking stain
	B7-B19 B20 B21-B31, B32	711–720 721–839, 840LP	eBioscience™ Annexin V-PerCP-eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V-Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red Maleimide E. coli BioParticles Conjugate Annexin V-PE Conjugate LIVE/DEAD™ Fixable Orange (602) Viability Kit	545/565 553/568 554/576 549/574 549/574 546/579 560/585 565/576 580/602	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain Endocytosis tracking stain Apoptosis tracking stain Fixable viability stain
Yellow- green	B7-B19 B20 B21-B31, B32 YG1 YG1 YG3	711–720 721–839, 840LP 575–585 586–596 597–606	eBioscience™ Annexin V-PerCP-eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V-Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red Maleimide E. coli BioParticles Conjugate Annexin V-PE Conjugate LIVE/DEAD™ Fixable	545/565 553/568 554/576 549/574 549/574 546/579 560/585 565/576	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain Endocytosis tracking stain Apoptosis tracking stain
Yellow- green	B7-B19 B20 B21-B31, B32 YG1	711–720 721–839, 840LP 575–585	eBioscience™ Annexin V-PerCP-eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V-Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red Maleimide E. coli BioParticles Conjugate Annexin V-PE Conjugate LIVE/DEAD™ Fixable Orange (602) Viability Kit	545/565 553/568 554/576 549/574 549/574 546/579 560/585 565/576 580/602	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain Endocytosis tracking stain Apoptosis tracking stain Fixable viability stain
Yellow- green 561 nm	B7-B19 B20 B21-B31, B32 YG1 YG1 YG3 YG4	711–720 721–839, 840LP 575–585 586–596 597–606	eBioscience™ Annexin V–PerCP–eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V–Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red Maleimide E. coli BioParticles Conjugate Annexin V–PE Conjugate LIVE/DEAD™ Fixable Orange (602) Viability Kit Annexin V–Alexa Fluor™ 568 Conjugate LIVE/DEAD™ Fixable Red Dead Cell Stain FxCycle™ PI/RNase Staining Solution	545/565 553/568 554/576 549/574 549/574 546/579 560/585 565/576 580/602 579/603 595/615 535/617	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain Endocytosis tracking stain Apoptosis tracking stain Fixable viability stain Apoptosis tracking stain Apoptosis tracking stain Fixable viability stain DNA stain
	B7-B19 B20 B21-B31, B32 YG1 YG1 YG3	711–720 721–839, 840LP 575–585 586–596 597–606	eBioscience™ Annexin V-PerCP-eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V-Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red Maleimide E. coli BioParticles Conjugate Annexin V-PE Conjugate LIVE/DEAD™ Fixable Orange (602) Viability Kit Annexin V-Alexa Fluor™ 568 Conjugate LIVE/DEAD™ Fixable Red Dead Cell Stain FxCycle™ PI/RNase Staining Solution Annexin V-Alexa Fluor™ 594 Conjugate Click-iT™ Plus EdU	545/565 553/568 554/576 549/574 549/574 546/579 560/585 565/576 580/602 579/603 595/615 535/617 590/618	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain Endocytosis tracking stain Apoptosis tracking stain Fixable viability stain Apoptosis tracking stain Fixable viability stain DNA stain Apoptosis tracking stain
	B7-B19 B20 B21-B31, B32 YG1 YG1 YG3 YG4	711–720 721–839, 840LP 575–585 586–596 597–606	eBioscience™ Annexin V–PerCP–eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V–Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red Maleimide E. coli BioParticles Conjugate Annexin V–PE Conjugate LIVE/DEAD™ Fixable Orange (602) Viability Kit Annexin V–Alexa Fluor™ 568 Conjugate LIVE/DEAD™ Fixable Red Dead Cell Stain FxCycle™ PI/RNase Staining Solution	545/565 553/568 554/576 549/574 549/574 546/579 560/585 565/576 580/602 579/603 595/615 535/617	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain Endocytosis tracking stain Apoptosis tracking stain Fixable viability stain Apoptosis tracking stain Apoptosis tracking stain Fixable viability stain DNA stain
	B7-B19 B20 B21-B31, B32 YG1 YG1 YG3 YG4	711–720 721–839, 840LP 575–585 586–596 597–606	eBioscience™ Annexin V-PerCP-eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V-Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red Maleimide E. coli BioParticles Conjugate Annexin V-PE Conjugate LIVE/DEAD™ Fixable Orange (602) Viability Kit Annexin V-Alexa Fluor™ 568 Conjugate LIVE/DEAD™ Fixable Red Dead Cell Stain FxCycle™ PI/RNase Staining Solution Annexin V-Alexa Fluor™ 594 Conjugate Click-iT™ Plus EdU Alexa Fluor™ 594 Flow Cytometry Assay Kit Propidium Iodide	545/565 553/568 554/576 549/574 549/574 546/579 560/585 565/576 580/602 579/603 595/615 535/617 590/618 595/618	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain Endocytosis tracking stain Apoptosis tracking stain Fixable viability stain Apoptosis tracking stain Fixable viability stain Apoptosis tracking stain DNA stain DNA stain DNA stain
	B7-B19 B20 B21-B31, B32 YG1 YG1 YG3 YG4	711–720 721–839, 840LP 575–585 586–596 597–606 607–617	eBioscience™ Annexin V-PerCP-eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V-Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red Maleimide E. coli BioParticles Conjugate Annexin V-PE Conjugate LIVE/DEAD™ Fixable Orange (602) Viability Kit Annexin V-Alexa Fluor™ 568 Conjugate LIVE/DEAD™ Fixable Red Dead Cell Stain FxCycle™ PI/RNase Staining Solution Annexin V-Alexa Fluor™ 594 Conjugate Click-iT™ Plus EdU Alexa Fluor™ 594 Flow Cytometry Assay Kit Propidium Iodide 7-AAD (7-Aminoactinomycin D) eBioscience™	545/565 553/568 554/576 549/574 549/574 546/579 560/585 565/576 580/602 579/603 595/615 535/617 590/618 590/618	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain Endocytosis tracking stain Apoptosis tracking stain Fixable viability stain Apoptosis tracking stain Fixable viability stain DNA stain Apoptosis tracking stain
	B7-B19 B20 B21-B31, B32 YG1 YG1 YG3 YG4 YG5	711–720 721–839, 840LP 575–585 586–596 597–606 607–617 618–627	eBioscience™ Annexin V–PerCP–eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V–Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red Maleimide E. coli BioParticles Conjugate Annexin V–PE Conjugate LIVE/DEAD™ Fixable Orange (602) Viability Kit Annexin V–Alexa Fluor™ 568 Conjugate LIVE/DEAD™ Fixable Red Dead Cell Stain FxCycle™ PI/RNase Staining Solution Annexin V–Alexa Fluor™ 594 Conjugate Click-iT™ Plus EdU Alexa Fluor™ 594 Flow Cytometry Assay Kit Propidium Iodide 7-AAD (7-Aminoactinomycin D) eBioscience™ SYTOX™ AADvanced™ Dead Cell Stain	545/565 553/568 554/576 549/574 549/574 549/574 546/579 560/585 565/576 580/602 579/603 595/615 535/617 590/618 590/618 535/617 546/647 535/647	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain Endocytosis tracking stain Apoptosis tracking stain Fixable viability stain Apoptosis tracking stain Fixable viability stain DNA stain DNA stain DNA stain UNA stain DNA stain DNA stain DNA stain
	B7-B19 B20 B21-B31, B32 YG1 YG1 YG3 YG4 YG5 YG6 YG7 YG8-YG24 YG25	711–720 721–839, 840LP 575–585 586–596 597–606 607–617 618–627 628–638 639–649 650–776 777–839	eBioscience™ Annexin V-PerCP-eFluor™ 710 Conjugate CellROX™ Orange Flow Cytometry Stain Annexin V-Alexa Fluor™ 555 Conjugate MitoTracker™ Orange CMTMRos and Orange CMH2TMRos Tetramethylrhodamine, Ethyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRE) Tetramethylrhodamine, Methyl Ester, Perchlorate (TMRM) CellTrace™ Yellow Cell Proliferation Kit pHrodo™ Red Maleimide E. coli BioParticles Conjugate Annexin V-PE Conjugate LIVE/DEAD™ Fixable Orange (602) Viability Kit Annexin V-Alexa Fluor™ 568 Conjugate LIVE/DEAD™ Fixable Red Dead Cell Stain FxCycle™ PI/RNase Staining Solution Annexin V-Alexa Fluor™ 594 Conjugate Click-iT™ Plus EdU Alexa Fluor™ 594 Flow Cytometry Assay Kit Propidium Iodide 7-AAD (7-Aminoactinomycin D) eBioscience™	545/565 553/568 554/576 549/574 549/574 546/579 560/585 565/576 580/602 579/603 595/615 535/617 590/618 590/618 595/615	Oxidation tracking stain Apoptosis tracking stain Mitochondria stain Mitochondria stain Mitochondria stain Proliferation tracking stain Endocytosis tracking stain Apoptosis tracking stain Fixable viability stain Apoptosis tracking stain Fixable viability stain DNA stain DNA stain DNA stain DNA stain DNA stain Usability stain
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