



LIGHT CUBES

(click name of cube to view)

Commonly used light cubes:

- DAPI
- TagBFP
- CFP
- GFP
- YFP
- RFP
- Texas Red
- Cy5
- CY7

Specialty light cubes:

- CFP-YFP em
- AO
- AOred

Q-DOT light cubes

	Dye	ABS Peak	EM Peak	Spectrum Match*
	DAPI	357/44 EX	447/60 EM	
	1,8-ANS	372	480	Excellent
DAPI light cube	4-methylumbelliferone	360	440	Excellent
	7-amino-4-methylcoumarin	351	430	Excellent
	7-hydroxy-4-methylcoumarin	360	449	Excellent
	ABQ	344	445	Excellent
DAPI light cube	Acridine	362	462	Excellent
	Alexa Fluor 350	346	442	Excellent
	Alexa Fluor 405	401	421	Excellent
	AMCA	345	425	Excellent
DAPI light cube	AMCA-X	353	442	Excellent
	BFP	382	448	Excellent
	Calcein Blue	373	440	Good
	Calcein Violet	401	451	Excellent
DAPI light cube	Calcofluor White	350	440	Excellent
	Cascade Blue	377	420	Good
	Dansyl	335	525	Fair
	DAPI	345	455	Excellent
DAPI light cube	DiFMU (pH 9.0)	357	450	Excellent
	DyLight 350	353	432	Excellent
	ER-Tracker Blue-White DPX	371	554	Excellent
	Fast Blue	360	440	Excellent
DAPI light cube	Fluospheres Blue	356	412	Excellent
	Hoechst 33258	345	487	Excellent
	Hoechst 33342	347	483	Excellent
	Live/Dead Fixable Blue Dead Cell Stain	344	442	Excellent
DAPI light cube	LysoSensor Blue	374	424	Excellent
	LysoTracker Blue	373	422	Excellent
	Marina Blue	365	460	Excellent
	Methoxycoumarin	360	410	Good
DAPI light cube	Monochlorobimane	380	461	Good
	Pacific Blue	405	455	Excellent
	PBFI	360	420	Good
	Phorwite AR	360	430	Good
DAPI light cube	Quinine Sulfate	349	461	Excellent
	sgBFP™ (Super Glow BFP)	387	450	Good
	SITS	365	460	Good
	SpectrumBlue®	405	449	Excellent
DAPI light cube	Thioflavin TCN	350	460	Excellent
	Thiolyte	378	483	Good
	True Blue	365	425	Excellent
	Uvitex SFC	365	435	Excellent
	Y66H	360	442	Excellent

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	Dye	ABS Peak	EM Peak	Spectrum Match*
TagBFP light cube	TagBFP	390/18 EX	447/60 EM	
	Notes:	Also known as mTagBFP, this BFP variant excites best near 400 nm.		
	DyeLight 405	400	420	Excellent
	BFP	382	448	Good
	Cascade Blue	400	420	Excellent
	Pacific Blue	410	455	Excellent
	SpectrumBlue	400	450	Excellent
	TagBFP	402	457	Excellent

	Dye	ABS Peak	EM Peak	Spectrum Match*
CFP	CFP	445/45 EX	510/42 EM	
	ECFP	434	477	Excellent
	Auramine O	445	500	Excellent
	Evans Blue	460	515	Excellent
	Lucifer Yellow	428	544	Excellent

	Dye	ABS Peak	EM Peak	Spectrum Match*
GFP light cube	GFP	470/22 EX	525/50 EM	
	5-FAM (carboxyfluorescein)	492	518	Good
	Acridine Orange + DNA	500	526	Good
	Acridine Yellow	470	550	Excellent
	Alexa Fluor 430™	432	540	Good
	Alexa Fluor 480™	490	510	Excellent
	Alexa Fluor 488™	500	540	Good
	Amplex Gold	512	540	Good
	ATTO 465	453	507	Excellent
	Auramine	460	540	Excellent
	Aurophosphine	470	540	Excellent
	BCECF	499	540	Good
	BODIPY 492/515	490	540	Good
	BODIPY 505/515	502	540	Good
	Bodipy FL	502	540	Good
	BTC	464	540	Excellent
	Calcein	494	540	Good
	Calcium Green-1	506	540	Fair
	Catskill Green 540	482	540	Excellent
	CellTracker Green	490	540	Excellent
CFDA	494	540	Good	
CFP	434	540	Fair	
Cy2	492	540	Excellent	
cyQUANT GR	500	540	Excellent	

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	Dye	ABS Peak	EM Peak	Spectrum Match*
GFP light cube	DAF-FM	493	540	Good
	DCF	504	540	Good
	DiO	489	506	Excellent
	Diversa Green-FP	484	507	Excellent
	DyLight 488	493	518	Excellent
	Emerald	490	540	Good
GFP light cube	Evans Blue	460	515	Good
	FITC	492	520	Good
	Fluo-3	506	540	Fair
	Fluo-4	494	540	Good
	Fluoro-Emerald	494	518	Good
	Fluoro-Jade B	480	525	Excellent
GFP light cube	Fluor-X	494	520	Good
	FluoSpheres Yellow-Green	501	513	Good
	GFP (EGFP)	488	507	Excellent
	HCS LipidTox Green	498	506	Fair
	HPTS (Solvent Green 7)	455	510	Excellent
	Live/Dead Fixable Green	498	526	Good
GFP light cube	Lucifer Yellow	423	543	Fair
	LysoSensor Green	448	503	Excellent
	LysoTracker Green	504	511	Good
	Magnesium Green	506	530	Fair
	mHoneydew	478	561	Excellent
	MitoTracker™ Green FM	490	512	Excellent
GFP light cube	NBD Amine	450	530	Excellent
	NBD-X	467	538	Excellent
	Neurotrace 500/525 Green	497	524	Excellent
	Nitrobenzoxadidole	465	510	Excellent
	Oregon Green™ 488	498	524	Good
	Oregon Green™ 514	512	532	Fair
GFP light cube	PicoGreen	502	522	Good
	Qdot 525	UV	525	Fair
	Qdot 545	UV	543	Fair
	Rhodamine 110	496	520	Good
	Rhodamine 123	507	529	Fair
	Rhodamine Green	497	523	Good
GFP light cube	Rhodol Green	496	523	Good
	rsGFP (red shifted GFP, S65T)	498	516	Good
	S65C	479	507	Good
	S65L	484	510	Good
	S65T	488	511	Good
	sgGFP™ (Super Glow GFP)	474	509	Excellent
GFP light cube	Sodium Green	506	532	Good
	SpectrumGreen®	498	522	Good

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	Dye	ABS Peak	EM Peak	Spectrum Match*
GFP light cube	Surf Green EX	469	526	Excellent
	SYBR Gold	495	439	Good
	SYBR Green I	497	521	Good
	SYBR Safe	507	524	Good
	SYTO 11	506	525	Fair
	SYTO 13	487	505	Good
GFP light cube	SYTO 16	490	520	Excellent
	SYTO 45	452	484	Good
	SYTO 9	482	500	Excellent
	SYTO RNASelect	503	527	Good
	SYTOX Green	504	523	Good
	TET	520	541	Fair
GFP light cube	TO-PRO-1	515	530	Fair
	TOTO-1	513	531	Fair
	Vibrant Dyecycle Green	505	532	Good
	wtGFP (wild type GFP, non-UV excitation)	475	509	Excellent
	YFP	512	529	Fair
	YO-PRO-1	491	507	Excellent
	YOYO-1	491	509	Excellent

	Dye	ABS Peak	EM Peak	Spectrum Match*
YFP	YFP	500/24 EX	542/27 EM	
	Acridine Orange + DNA	500	526	Good
	EYFP	514	527	Excellent

	Dye	ABS Peak	EM Peak	Spectrum Match*
RFP light cube	RFP	531/40 EX	593/40 EM	
	Alexa Fluor 532	532	554	Good
	Alexa Fluor 546	561	572	Good
	Alexa Fluor 555	555	565	Excellent
	Alexa Fluor 568	578	603	Good
	Alexa Fluor 594	590	621	Good
RFP light cube	Amplex Red	571	583	Excellent
	Amplex UltraRed	568	583	Excellent
	BOBO-3	570	602	Good
	Bodipy R6G	527	547	Good
	Bodipy TMR	544	569	Excellent
	Bodipy TRX	588	620	Fair
RFP light cube	Calcium Orange	549	575	Excellent
	Carboxy SNARF-1	548	587	Excellent
	Carboxyrhodamine 6G	524	547	Good
	CellMask Orange	556	571	Excellent
	CellTrace Calcein Red-Orange	575	591	Good

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	Dye	ABS Peak	EM Peak	Spectrum Match*
RFP light cube	CellTracker Orange	547	575	Excellent
	CellTracker Red	585	612	Good
	Cy3	552	570	Excellent
	Cy3.5	579	597	Good
	Dil	551	568	Excellent
RFP light cube	DsRed Monomer	556	586	Good
	DsRed2	563	582	Fair
	DsRed-Express	557	579	Good
	dTomato	554	581	Good
	DyLight 594	562	576	Good
RFP light cube	Eosin	524	545	Good
	Ethidium Bromide	521	602	Good
	Ethidium Homodimer-1	530	618	Excellent
	Fluospheres Orange	539	560	Good
	Fluospheres Red	575	607	Good
RFP light cube	FocalCheck Double Orange	540	555	Good
	FocalCheck Double Red	589	612	Good
	HCS LipidTox Red	582	615	Good
	HEX	533	558	Excellent
	JOJO-1	529	545	Good
RFP light cube	Live/Dead Fixable Red	593	613	Fair
	LOLO-1	566	580	Good
	Lysotracker Red	577	592	Excellent
	mBanana	540	553	Good
	MitoTracker Orange	551	576	Excellent
RFP light cube	MitoTracker Red	578	599	Good
	mOrange	548	568	Good
	mStrawberry	575	596	Good
	mTangerine	568	585	Good
	Nile Red	551	636	Good
RFP light cube	OFP	546	568	Excellent
	pHrodo	559	586	Excellent
	Phycoerythrin (PE)	567	576	Good
	POPO-3	532	573	Excellent
	PO-PRO-3	539	570	Excellent
RFP light cube	Propidium Iodide	530	618	Good
	Pro-Q Diamond	557	581	Excellent
	ReAsH	592	608	Good
	Resorufin	570	585	Excellent
	RFP	552	585	Excellent
RFP light cube	RH795	490	688	Fair
	Rhod-2	551	576	Excellent
	Rhodamine Phalloidin	557	576	Excellent
	Rhodamine Red	560	580	Good

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	Dye	ABS Peak	EM Peak	Spectrum Match*
RFP light cube	ROX	568	595	Good
	R-Phycoerythrin	565	575	Excellent
	SpectrumOrange®	559	588	Excellent
	Sulfarhodamine 101	578	593	Good
	SYPRO Ruby	468	633	Fair
	SYTO 11	505	525	Fair
	SYTO RNASelect	504	526	Fair
RFP light cube	SYTOX AAdvanced Dead Cell Stain	546	645	Fair
	SYTOX Orange	567	570	Excellent
	Tag RFP	555	584	Excellent
	TAMRA	565	580	Excellent
	TET	521	542	Fair
RFP light cube	Tetramethylrhodamine (TRITC)	555	580	Excellent
	Texas Red	591	613	Fair
	TO-PRO-1	513	530	Good
	TOTO-1	512	532	Fair
	TurboRFP	553	574	Excellent
	Vibrant Dyecycle Green	504	532	Fair
	Vibrant Dyecycle Orange	518	562	Excellent
X-Rhod-1	570	576	Good	

	Dye	ABS Peak	EM Peak	Spectrum Match*
Texas Red light cube	Texas Red	585/29 EX	624/40 EM	
	2-dodecylresorufin	582	595	Excellent
	5-ROX	577	603	Excellent
	7-AAD	549	644	Good
	alamarBlue	570	584	Fair
	Alexa Fluor 568	578	603	Good
	Alexa Fluor 594	590	618	Excellent
	Alexa Fluor 610	610	629	Fair
	Amplex Red	570	583	Fair
	Amplex Ultra Red	567	582	Fair
	BOBO-3	571	606	Good
	Bodipy 630/650-X	625	641	Fair
	Bodipy TR-X	588	621	Excellent
	Calcium Crimson	589	608	Excellent
	CellTrace BODIPY TR methyl ester	597	625	Excellent
Texas Red light cube	CellTrace calcein red-orange	575	592	Good
	CellTracker Red CMTPX	584	613	Excellent
	Cy 3.5	581	597	Good
	DsRed2	563	588	Fair
	DyLight 594	593	618	Excellent
	Fluospheres Crimson microspheres	620	646	Good

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	Dye	ABS Peak	EM Peak	Spectrum Match*
Texas Red light cube	sulforhodamine 101	577	593	Good
	SYTO 17	620	635	Good
	SYTO 59	622	645	Fair
	SYTO 61	619	649	Fair
	SYTOX AADvanced dead cell stain	546	647	Good
	Texas Red	592	615	Excellent
Texas Red light cube	X-rhod-1	579	602	Excellent
	YO-PRO-3	612	628	Good
	YO-YO-3	612	631	Good
	Fluospheres Red microspheres	577	608	Excellent
	HCS CellMask Red cytoplasmic/nuclear	621	644	Fair
	HCS CellMask Red stain	587	614	Excellent
	HCS LipidTOX Red	582	615	Excellent
	HCS NuclearMask Red	624	644	Fair
	HC Red	594	649	Fair
	Katushka (Turbo FP635)	588	635	Excellent
Texas Red light cube	LiveDead Fixable Red Dead Cell stain	595	613	Excellent
	LOLO-1	568	580	Fair
	LysoTracker Red	573	592	Good
	Magic Red	570	630	Good
	MitroTracker Red	578	597	Excellent
	mCherry	587	615	Excellent
	mKate	588	635	Excellent
	mPlum	590	649	Fair
	mRaspberry	598	625	Good
	Nile Red phospholipid	551	638	Excellent
Texas Red light cube	pHrodo	559	587	Fair
	ReAsH	593	608	Excellent
	resorufin	570	583	Fair
	rhodamine phalloidin	558	577	Fair
	rhodamine Red-X	572	591	Good

	Dye	ABS Peak	EM Peak	Spectrum Match*
Cy5 light cube	Cy5	628/40 EX	692/40 EM	
	Alexa Fluor 594	591	621	Fair
	Alexa Fluor 610	611	630	Fair
	Alexa Fluor 633	631	650	Good
	Alexa Fluor 635	634	647	Fair
	Alexa Fluor 647 hydrazide	650	670	Good
	Alexa Fluor 660 antibody conjugate	663	691	Excellent
	Alexa Fluor 680 antibody conjugate	679	704	Good
	Alexa Fluor 680 R phycoerythrin	568	700	Fair
	Alexa Fluor 680 allophycocyanin	680	703	Excellent

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Q-DOT light cubes

	Dye	ABS Peak	EM Peak	Spectrum Match*
Cy5 light cube	HCS NuclearMask Red	622	644	Good
	MitoTracker Deep Red FM	641	661	Good
	SYTO-17	619	638	Fair
	SYTO-59	621	644	Good
	SYTO-60	649	681	Excellent
Cy5 light cube	SYTO-62	650	681	Excellent
	SYTOX Red	640	658	Good
	TO-PRO-3	642	657	Good
	TO-TO-3	642	661	Good
	APC (Allophycocyanin)	651	660	Good
Cy5 light cube	Bodipy 630/650X	626	641	Fair
	Bodipy 650/665	647	665	Good
	Carboxynaphthofluorescein	600	674	Excellent
	CellMask Deep Red plasma membrane stain	658	676	Good
	Cy5	648	666	Good
Cy5 light cube	Cy5.5	678	696	Good
	DDAO	648	658	Good
	DiD Lipid	645	670	Excellent
	DRAQ-5	650	680	Excellent
	DyLight 633	638	658	Good
Cy5 light cube	DyLight 649	654	673	Good
	FluoSpheres crimson microspheres	621	646	Good
	FluoSpheres dark red microspheres	657	683	Excellent
	FocalCheck DoubleFarRed General stain	669	692	Good
	FocalCheck DoubleFarRed Ring stain	655	677	Excellent
Cy5 light cube	FxCycle Far Red stain	641	657	Good
	HCS CellMask Deep Red stain	649	670	Excellent
	HCS CellMask Red cytoplasmic/nuclear stain	621	642	Good
	HCS LipidTOX Deep Red	634	652	Good
	HCS NuclearMask Deep Red	635	687	Excellent

	Dye	ABS Peak	EM Peak	Spectrum Match*
CY7 light cube	CY7	710/40 EX	775/46 EM	
	Notes:	NIR dyes (e.g., IRDye 800CW) work best with low-magnification, high-NA objectives to maximize detection sensitivity.		
	CY7	745	766	Excellent
	DyLight 750	752	778	Excellent
	Indocyanine Green	768	807	Fair
	IRDye 800CW	774	789	Good
	Cellvue NIR780	743	776	Excellent
	XenoLight CF770	770	797	Good

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Specialty Light Cubes

	Dye	ABS Peak	EM Peak	Spectrum Match*
CFP-YFP EM	CFP-YFP em	445/45 EX	542/27 EM	
	Notes:	CFP-YFP FRET control. CFP excitation coupled with a YFP emission filter. For FRET sensitized-emission donor-acceptor bleedthrough measurements. Requires CFP and YFP light cubes for CFP-YFP FRET experiments.		
	CFP	434	477	Control YFP emission

	Dye	ABS Peak	EM Peak	Spectrum Match*
AO light cube	AO (Acridine Orange)	442/46 EX	488LP EM	
	Notes:	Acridine Orange, longpass emission. To visualize Acridine Orange in green and orange/red emission wavelengths, we recommend using this light cube with the EVOS fl color microscope . The AO cube passes simultaneous green, yellow, and red fluorescence, which requires color camera detection. Works well with other fluorophores listed below in either monochrome or color camera EVOS fl microscopes, <i>provided the sample is labeled with only one dye</i> .		
AO light cube	Acridine Orange + RNA	460	650	Excellent
	Acridine Orange + DNA	500	526	Good
	Alexa Fluor 430	434	540	Excellent
	AmCyan1	458	489	Excellent
	Auramine O	460	550	Excellent
	CTC Formazan	450	630	Excellent
AO light cube	Di-8 ANEPPS	468	635	Excellent
	DiA	491	613	Excellent
	Lucifer Yellow	428	544	Excellent
	LysoSensor Green (pH 5)	442	505	Excellent
	PerCP	488	675	Good

	Dye	ABS Peak	EM Peak	Spectrum Match*
AOred light cube	AOred	442/46 EX	628/32 EM	
	Notes:	Acridine Orange, red emission. Can be used with either EVOS fl color or EVOS fl monochrome . Detects red fluorescence, which can be visualized with either a color or a monochrome camera.		
	Acridine Orange + RNA	460	650	Excellent
	Acridine Orange + DNA	500	526	Poor*
	CTC Formazan	450	630	Excellent
	Di-8 ANEPPS	468	635	Good
	DiA	491	613	Good
	Fura-Red (high Ca2+)	436	637	Excellent
	Lucifer Yellow	428	544	Fair

* Use the GFP or YFP light cube instead.

* Spectrum match rating predicts (but does not guarantee) imaging performance with the designated EVOS light cube. For dyes that are not on this list, please contact AMG for assistance.

445 EX		Q-DOT EMISSION									
Dye	525	545	565	585	605	625	655	705	800	525-800	
Q-DOT CUBES	Acridine Orange (+DNA)	Fair	x	x	x	x	x	x	x	Fair	
	Acridine Orange (+RNA)	x	x	x	x	x	Fair	x	x	Fair	
	Alexa Fluor 430	Excellent	Excellent	Good	Good	Fair	x	x	x	Excellent	
	Aiexa Fluor 488	Fair	x	x	x	x	x	x	x	Fair	
	BCECF (pH 5.2)	Excellent	Excellent	Good	Fair	Fair	x	x	x	Excellent	
	BCECF (pH 9)	Fair	Fair	x	x	x	x	x	x	Fair	
	BOBO-1	Good	Fair	x	x	x	x	x	x	Good	
	Calcein	Good	Fair	x	x	x	x	x	x	Fair	
	Carboxyfluorescein (5-FAM)	Fair	x	x	x	x	x	x	x	Fair	
Q-DOT CUBES	Cascade Yellow	Fair	Fair	Good	Fair	Fair	x	x	x	Good	
	CellTracker Green CMFDA	Good	Fair	x	x	x	x	x	x	Good	
	CellTracker Violet BMQC	Good	Good	Fair	Fair	x	x	x	x	Good	
	CFP	Good	Good	Fair	x	x	x	x	x	Good	
	CY2	Good	Good	Fair	x	x	x	x	x	Good	
	CyQUANT GR reagent	Fair	Fair	x	x	x	x	x	x	Fair	
	DAF-FM	Fair	x	x	x	x	x	x	x	Fair	
	DCF	Fair	x	x	x	x	x	x	x	Fair	
	Di-8-ANEPPS	x	x	Fair	Good	Excellent	Excellent	Excellent	Good	x	Excellent
Q-DOT CUBES	DiA	Fair	Good	Good	Excellent	Excellent	Good	Fair	x	Excellent	
	DiO	Good	Fair	x	x	x	x	x	x	Good	
	F2N12S	Good	Excellent	Excellent	Excellent	Good	Fair	x	x	Excellent	
	FITC	Good	Fair	x	x	x	x	x	x	Fair	
	Fluo-4	Fair	x	x	x	x	x	x	x	Fair	
	FluxOR thallium indicator	Fair	x	x	x	x	x	x	x	Fair	
	FM 1-43	Fair	Good	Excellent	Excellent	Excellent	Good	Fair	x	Excellent	
	FM 4-64	x	x	x	x	x	x	Fair	Excellent	Good	Excellent
	Fura Red (+Ca2+)	x	x	x	Fair	Good	Excellent	Excellent	Good	x	Excellent
Q-DOT CUBES	Fura Red (-Ca2+)	x	x	x	x	Fair	Good	Excellent	Good	Excellent	
	GFP	Good	Fair	x	x	x	x	x	x	Good	
	HCS CellMask Green	Fair	x	x	x	x	x	x	x	Fair	
	LIVE/DEAD Fixable Green	Fair	x	x	x	x	x	x	x	Fair	
	LIVE/DEAD Fixable Yellow	Fair	Good	Good	Good	Fair	x	x	x	Good	
	Lucifer Yellow	Excellent	Excellent	Excellent	Good	Fair	Fair	x	x	Excellent	
	LysoSensor Green	Excellent	Good	Fair	x	x	x	x	x	Good	
	LysoSensor Yellow/Blue (pH 8.0)	Fair	Fair	Fair	x	x	x	x	x	Fair	
	LysoSensor Yellow/Blue (pH 9.0)	x	x	x	x	x	x	x	x	x	
Q-DOT CUBES	LysoTracker Green	Fair	x	x	x	x	x	x	x	Fair	
	LysoTracker Yellow HCK-123	Fair	Good	Good	Good	Good	Fair	Fair	x	Good	
	MitoTracker Green FM	Good	Fair	x	x	x	x	x	x	Good	
	NBD-X	Excellent	Excellent	Good	Good	Fair	x	x	x	Excellent	
	NeuroTrace 500/525 Nissl stain	Good	Fair	Fair	x	x	x	x	x	Good	

Dye	Q-DOT EMISSION									
	525	545	565	585	605	625	655	705	800	525-800
Nile red (triglyceride)	x	x	x	Fair	Fair	x	x	x	x	Fair
Oregon green 488	Fair	Fair	x	x	x	x	x	x	x	Fair
Pacific Orange	Fair	Good	Good	Fair	Fair	x	x	x	x	Good
PerCP	x	x	x	x	x	x	x	x	x	Good
PicoGreen	Fair	x	x	x	x	x	x	x	x	Fair
POPO-1	Fair	x	x	x	x	x	x	x	x	Fair
PO-PRO-1	Fair	x	x	x	x	x	x	x	x	Fair
RH 795	x	x	x	x	Fair	Fair	Good	Good	x	Good
Rhodamine 110	Fair	Fair	x	x	x	x	x	x	x	Fair
Rhodamine Green	Fair	Fair	x	x	x	x	x	x	x	Fair
SYBR Gold	Fair	Fair	Fair	x	x	x	x	x	x	Fair
SYBR Green I	Fair	Fair	Fair	x	x	x	x	x	x	Fair
SYPRO Orange protein gel stain	x	x	Fair	Good	Fair	x	x	x	x	Good
SYPRO Ruby	x	x	x	Fair	Good	Excellent	Excellent	Fair	x	Excellent
SYTO 13	Good	Fair	Fair	x	x	x	x	x	x	Good
SYTO 16	Good	Fair	Fair	x	x	x	x	x	x	Good
SYTO 45	Good	Fair	Fair	x	x	x	x	x	x	Good
SYTO 9	Good	Good	Fair	x	x	x	x	x	x	Good
SYTO RNASelect	Fair	Fair	Fair	x	x	x	x	x	x	Fair
SYTOX Blue	Fair	x	x	x	x	x	x	x	x	Fair
TetraSpeck green dye	Fair	x	x	x	x	x	x	x	x	Fair
ThiolTracker Violet	Good	Good	Fair	Fair	x	x	x	x	x	Good
YO-PRO-1	Fair	Fair	x	x	x	x	x	x	x	Fair
YOYO-1	Good	Good	Fair	x	x	x	x	x	x	Good