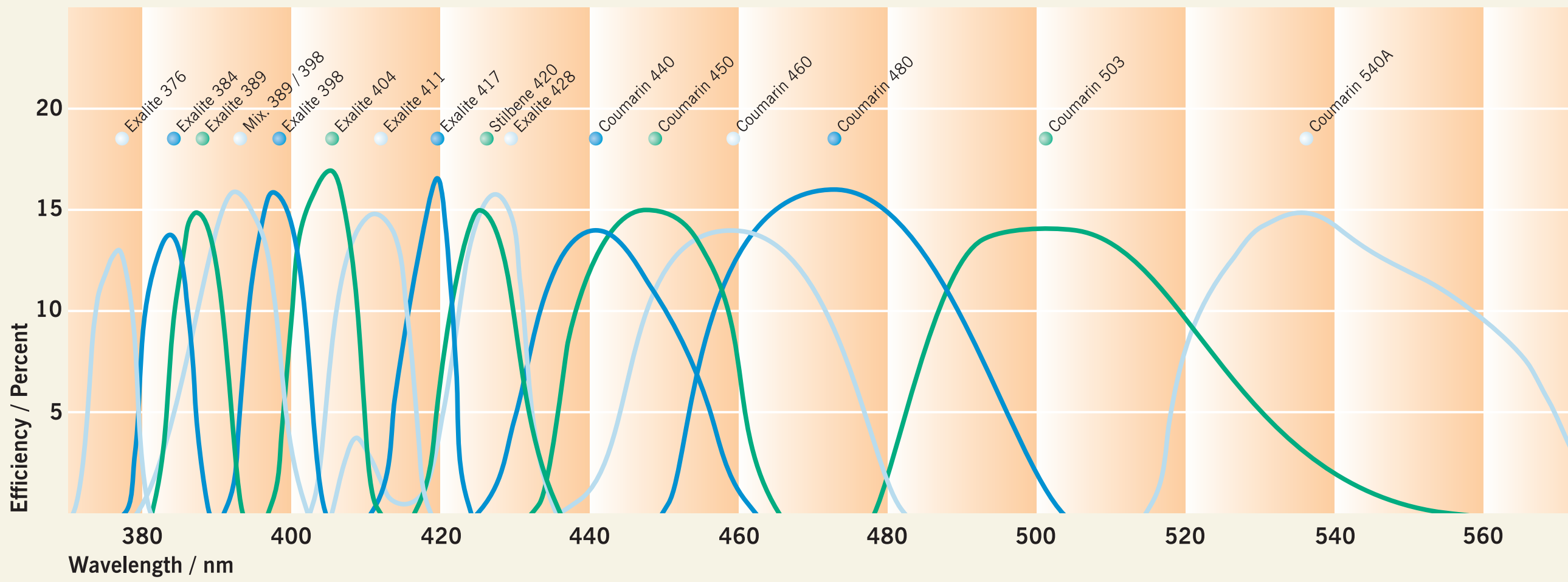
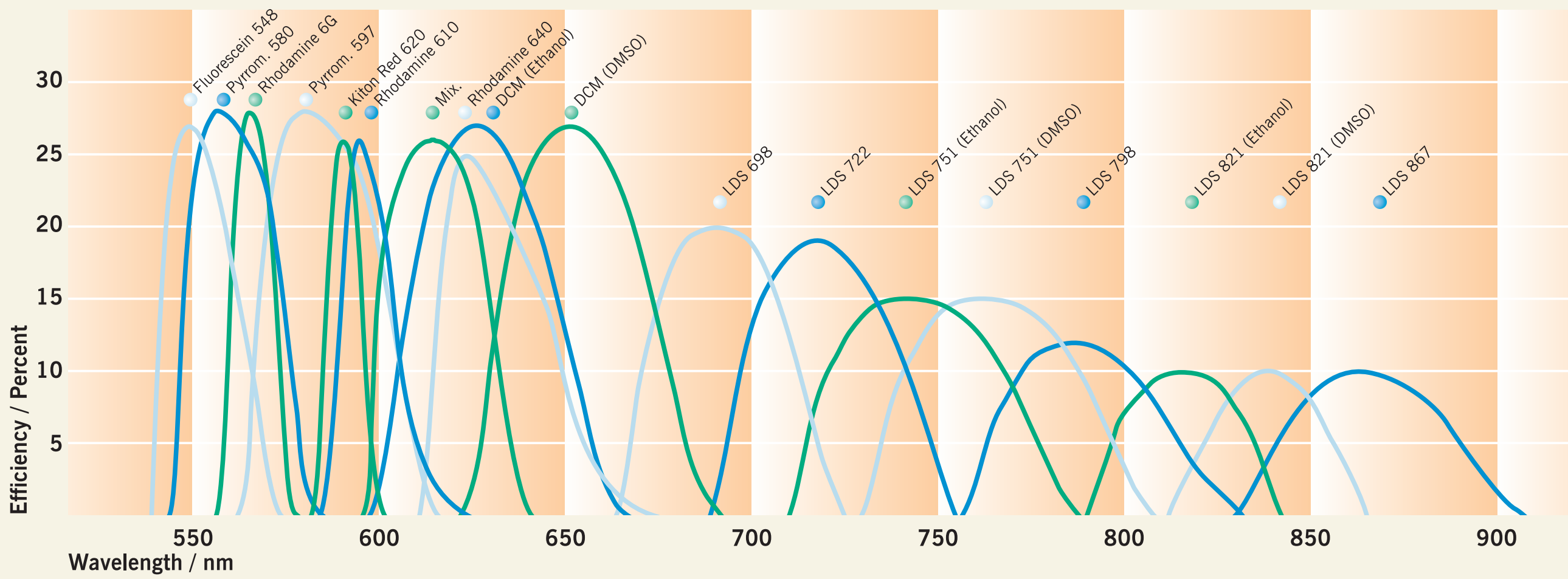


355 nm



Name	Peak (nm)	Range (nm)	Efficiency	Solvent	Concentration (gram/liter)	Comment
Exalite 376	377	372 .. 380	13 %	p-Dioxane	0.90	
Exalite 384	384	379 .. 388	14 %	p-Dioxane	0.30	
Exalite 389	387	382 .. 392	15 %	p-Dioxane	0.20	
Mix. Exalite 389 / 398	393	382 .. 401	16 %	p-Dioxane	0.10 / 0.10	
Exalite 398	398	393 .. 403	16 %	p-Dioxane	0.18	
Exalite 404	405	399 .. 410	17 %	p-Dioxane	0.15	
Exalite 411	411	404 .. 417	15 %	p-Dioxane	0.14	
Exalite 417	419	413 .. 422	17 %	p-Dioxane	0.20	
Stilbene 420	425	419 .. 434	15 %	Ethanol + H ₂ O	0.22	Stilbene 3
Exalite 428	427	419 .. 434	16 %	p-Dioxane	0.15	
Coumarin 440	441	429 .. 460	14 %	Ethanol	0.25	Coumarin 120
Coumarin 450	448	434 .. 463	15 %	Ethanol	0.20	Coumarin 2
Coumarin 460	442	442 .. 479	14 %	Ethanol	0.25	Coumarin 47
Coumarin 480	473	452 .. 500	16 %	Ethanol	0.40	Coumarin 102
Coumarin 503	500	480 .. 540	14 %	Ethanol	0.40	Coumarin 307
Coumarin 540A	535	517 .. 574	15 %	Ethanol	1.60	Coumarin 153
Rhodamine 590	574	563 .. 597	14 %	Ethanol	0.40	Rhodamine 6G
Pyromethene 597	585	571 .. 612	12 %	Ethanol	0.32	
Kiton Red 620	596	582 .. 620	13 %	Ethanol	0.30	Sulforhodamine B
Rhodamine 610	600	588 .. 632	13 %	Ethanol	0.35	Rhodamine B
Rhodamine 640	630	621 .. 674	14 %	Ethanol	0.50	Rhodamine 101
DCM	640	605 .. 665	13 %	Ethanol	0.30	
LDS 698	693	664 .. 722	9 %	Ethanol	0.45	Pyridine 1

532 nm

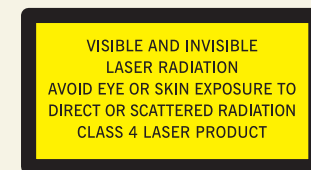


Name	Peak (nm)	Range (nm)	Efficiency	Solvent	Concentration (gram/liter)	Comment
Fluorescein 548	550	541 .. 571	27 %	Ethanol + H ₂ O	0.40	+ 0.2 g/l NaOH
Pyromethene 580	557	547 .. 581	28 %	Ethanol	0.20	
Rhodamine 590	566	559 .. 576	28 %	Ethanol	0.09	Rhodamine 6G
Pyromethene 597	582	566 .. 611	28 %	Ethanol	0.16	
Kiton Red 620	591	585 .. 600	26 %	Ethanol	0.20	Sulforhodamine B
Rhodamine 610	596	588 .. 614	26 %	Ethanol	0.20	Rhodamine B
Mix. Rh 610 / Rh 640	615	598 .. 636	26 %	Ethanol	0.17 / 0.04	
Rhodamine 640	624	614 .. 662	25 %	Ethanol	0.25	Rhodamine 101
DCM	627	602 .. 660	27 %	Ethanol	0.30	
DCM	651	626 .. 685	27 %	DMSO	0.30	
LDS 698	692	667 .. 720	20 %	Ethanol	0.25	Pyridine 1
LDS 722	718	691 .. 751	19 %	Ethanol	0.25	Pyridine 2
LDS 751	744	712 .. 782	15 %	Ethanol	0.15	Styryl 8
LDS 751	764	733 .. 802	15 %	DMSO	0.15	Styryl 8
LDS 798	785	758 .. 826	12 %	Ethanol	0.14	Styryl 11
LDS 821	815	791 .. 839	10 %	Ethanol	0.13	Styryl 9
LDS 821	839	814 .. 862	10 %	DMSO	0.13	Styryl 9
LDS 867	863	832 .. 900	10 %	Ethanol	0.15	

Peak: Output maximum of tuning curve.
Efficiency: Laser output at the maximum of tuning range, relative to pump laser output. Efficiencies may change depending on configuration or pump power level.

Solvent: The solvent influences the peak wavelength of the dye. Methanol, ethanol, isopropanol and propylene carbonate are to a certain extent interchangeable.

Concentration: Amount of dye, in grams, for 1 liter stock solution. Higher concentrations causes a shift of tuning curves to the red, while lower concentrations may result in a blue shift. Use approximately a third of the given concentration for amplifiers. Refer to the manual for capillary cells or single cell lasers.



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