If you are interested in receiving a printed copy of the poster, please send an email to info@picoquant.com.

Quick Reference for Confocal Time-Resolved Microscopy (FLIM, FRET, FCS)









4.0		-			-			
1.0 0.8 0.6 0.4 0.2	exc. ATTO 425 exc. Rh6G em. ATTO 425 em. Rh6G	Fluorophore	Max. excitati	i on N	lax. emission	Molar absorption coefficient [cm M] ⁻¹	Quantum yield	Lifetime [ns]
		ATTO 425	436	4	84	45000	0.9	3.6
		ATTO 485	501	5	23	90000	0.8	4.1
		ATTO 655	663	6	84	125000	0.3	1.8
		Rh6G 530		5	55	116000	0.95	4.1
0.0 400 500 600 Wavelength [nm]	500 600 Wavelength [nm]		Fluorophore		emission	Diffusion coefficie in water at 25°C (298.15 k [10 ⁻⁶ cm ² s ⁻¹]	() Lifetin () in water [ns]	ne
0.8 0.6 0.4 0.2	exc. ATTO 488 exc. ATTO 655 em. ATTO 488 em. ATTO 655	ATTO 425 - carboxylic acid		484		4.07	3.6	
		ATTO 655 - maleimid		686		4.26	1.8	
		ATTO 655 - carboxylic acid		685		4.25	1.8	
		ATTO 655 - NHS esther		685		3.6	1.8	
		Cy5		670		3.3	0.9	
		Alexa 647		665		3.4	1.0	
		Alexa 633		647		4.14	3.2	
500 600 700 800		Rhodamine 6G		550		4.5	3.9	
Wavelength [nm]		Rhodamine B		560		4.6	1.7	
1.0 0.8 0.6 0.4 0.2	exc. TSBeads - blue exc. TSBeads - orange em. TSBeads - blue em. TSBeads - orange	Rhodamine 123		530		4.7	4.0 (ir	I PBS)
		Rhodamine 110		535		4.25	4.0	
		Fluorescein		520		4.11	4.3	
		Oregon Green 488		550		4.10	4.1	
		Atto488-carboxylic acid		523		4.0	4.1	
		TetraSpeck Beads,		430, 515, 580, 680		0.044		
		0.1 µm diameter						
0.0 400 500 600 Wavelength [nm]		For more details please a on our website.	see our Technical Note o	on "Absolute	e Diffusion Coefficients: Co	ompilation of Reference Data for F	CS Calibration" avai	able for download

