

Fl. Decay Time τ_2 in ns (2h)	Dev. From Median in ns	Fl. Decay Time τ_2 in ns (24h)	Dev. From Median in ns
4.16	2.40	2.64 (*)	1.24
2.22	0.52	2.60 (*)	1.20
1.86	0.33	2.18	0.78
1.86	0.29	2.01 (*)	0.61
1.86	0.25	2.01 (*)	0.61
1.86	0.25	1.97 (*)	0.57
1.82	0.25	1.88 (*)	0.48
1.80	0.19	1.76	0.46
1.79	0.16	1.55	0.41
1.78	0.16	1.52	0.40
1.77	0.16	1.50	0.36
1.75	0.16	1.42	0.34
1.74	0.14	1.41	0.28
1.74	0.12	1.40 (*)	0.20
1.74	0.12	1.38	0.19
1.72	0.11	1.32	0.15
1.70	0.10	1.32	0.15
1.68	0.09	1.31 (*)	0.13
1.68	0.09	1.25	0.10
1.66	0.08	1.21	0.09
1.64	0.08	1.20 (*)	0.08
1.64	0.07	1.12 (*)	0.08
1.62	0.06	1.06	0.02
1.61	0.06	1.00 (*)	0.01
1.59	0.05	0.99	0.01
1.58	0.04	0.94	0.00
1.56	0.04		
1.51	0.04	(*) = 610 nm Exc.	
1.45	0.04	Other = 550 nm Exc.	
1.45	0.02		
1.45	0.02		
1.41	0.02		
1.37	0		
Median: 1.70	MAD: 0.10	Median: 1.40	MAD: 0.24

Incubation with LysoTracker / FRET experiments

Fl. Decay Time τ_2 in ns without IOH-NPs	Deviation from Median (ns)	Fl. Decay Time τ_2 in ns with IOH-NPs	Deviation from Median (ns)
4.89	0.53	5.24	1.25
4.67	0.40	4.54	1.19
4.65	0.36	4.44	0.81
4.62	0.29	4.36	0.80
4.40	0.26	4.29	0.67
4.36	0.20	4.24	0.49
4.35	0.16	4.12	0.39
4.34	0.04	4.12	0.37
4.20	0.02	4.12	0.31
4.16	0.01	3.98	0.29
3.96	0.00	3.89	0.22
		3.87	0.19
		3.83	0.18
		3.68	0.16
		3.38	0.07
		3.25	0.07
		3.24	0.07
		2.90	0.07
Median: 4.36	MAD: 0.20	Median: 4.05	MAD: 0.30

IOH-NPs in buffer solution:

pH 7 Decay Time τ_2 in ns	Deviation from Median (ns)	pH 4 Decay Time τ_2 in ns	Deviation from Median (ns)
6.26	4.46	3.16	1.35
5.12	3.32	2.50	0.69
5.08	3.28	2.26	0.53
3.40	1.60	2.05	0.45
2.84	1.04	2.03	0.31
2.64	0.84	1.99	0.30
2.34	0.54	1.94	0.28
1.84	0.30	1.86	0.28
1.76	0.28	1.77	0.24
1.73	0.20	1.66	0.22
1.72	0.19	1.59	0.22
1.72	0.08	1.53	0.18
1.61	0.08	1.53	0.15
1.60	0.07	1.51	0.13
1.52	0.04	1.50	0.05
1.50	0.04	1.28	0.04
Median: 1.80	MAD: 0.29	Median: 1.81	MAD: 0.26
Mean: 2.667	Stand. Dev.: 1.517	Mean: 1.885	Stand. Dev.: 0.466

IOH-NPs in culture medium:

Fl. Decay Time τ_2 in ns (0 h)	Dev. From Median in ns	Fl. Decay Time τ_2 in ns (24 h)	Dev. From Median in ns
2.64	0.96	2.02	0.55
2.55	0.87	1.90	0.43
1.80	0.22	1.89	0.42
1.76	0.19	1.82	0.35
1.75	0.16	1.62	0.15
1.70	0.12	1.58	0.15
1.66	0.08	1.48	0.15
1.66	0.08	1.46	0.13
1.61	0.07	1.45	0.09
1.61	0.07	1.38	0.09
1.52	0.07	1.38	0.09
1.49	0.02	1.34	0.02
1.46	0.02	1.32	0.01
		1.32	0.01
Median: 1.68	MAD: 0.08	Median:1.47	MAD: 0.14