

1. Automatically reported spectral parameters of dynamic light scattering, experiment 22.11.2017 (selected Size in limits of 7-1369 nm)

Sample No.	Preparation	% Intensity	Size, nm	St Dev (Size), nm
1	lyd			
2	hc	57.1	331	35.99
3	euf			
4	hc			
5	euf			
6	anlg	14.3	250.4	18.76
7	hc	18.1	295.8	35.52
8	anlg	100	21.48	0.7273
9	anlg			
10	euf	100	56.7	0
11	hc			
12	euf			
13	anlg	100	364.5	22.07
14	hc			
15	euf	100	141.6	5.11
16	lyd			
17	lyd			
18	anlg			
19	anlg	100	9.389	0.3205
20	hc			
21	lyd			
22	euf			
23	anlg	8.1	56.38	6.514
24	hc	12.8	54.87	3.746
25	euf	74.3	1369	107.7
26	euf	75.4	233.2	17.4
27	hc			
28	lyd	42.7	568.2	81.05
29	lyd	37.9	1179	198.6
30	anlg	100	136.8	5.85
31	lyd	100	49.18	0.773
32	hc			
33	lyd	29.3	471.6	58.03
34	euf	100	136	0.8605
35	anlg			
36	euf	18	354.4	35.91
37	lyd	100	11.14	0.3825
38	euf			
39	anlg			
40	euf			
41	lyd	100	619.7	30.62
42	euf	100	395.8	13.47
43	lyd	100	51.73	2.507

44	anlg	19	146	7.812
45	hc	100	129.2	4.373
46	lyd	100	12.28	0
47	lyd	47.2	286.5	17.8
48	anlg			
49	euf			
50	hc	86.7	7.072	0.2556
51	anlg	100	248	7.978
52	hc	94.3	118.9	7.56
53	hc			
54	anlg	100	155.3	7.987
55	anlg			
56	lyd	26.2	518.5	48.33
57	hc			
58	hc	100	30.98	1.021
59	euf			
60	lyd	5.8	244.6	19.54
K	K			
K	K	90	187.2	7.129
K	K	100	71.28	1.832
K	K	56.2	593.1	87.2
K	K	53.3	490.9	64.17
K	K	59.9	579.1	79.67
K	K	100	285.3	12.59
K	K	100	164.6	5.768
K	K	62.4	523.8	36.67
K	K	53.1	650.6	71.83
K	K	72.2	483.8	34.15
K	K	63.8	696.7	67.97
K	K	40.1	531	69.35
K	K	61.5	860.4	118.8
K	K	58.9	792.4	105.4
K	K	96	1366	344.8
K	K	83.3	906.2	163.1
K	K	63.4	629.2	65.92
K	K	64.5	520.4	47.59
K	K	53.1	778.6	106.2

Notes:

Yellow marks – samples excluded due to an absence of refraction peaks or Size lying out of accepted limits 7-1369 nm.

Cyan mark – the lost sample.

2. Results of statistical analysis of distinctions between preparations by means of Mann-Whitney U-test

“hc” vs “lyd”

	Rank Sum	Rank Sum	U	Z	p-level	Z	p-level	Valid N	Valid N	2*1sided
% Intensity	65	106	37	-0.13585	0.891940	-0.13995	0.888696	7	11	0.929801
Size, nm	54	117	26	-1.13208	0.257600	-1.13208	0.257600	7	11	0.285445
St Dev (Size), nm	58	113	30	-0.76982	0.441409	-0.76982	0.441409	7	11	0.478947

“hc” vs “euf”

	Rank Sum	Rank Sum	U	Z	p-level	Z	p-level	Valid N	Valid N	2*1sided
% Intensity	46	59	18	-0.83054	0.406234	-0.86445	0.387340	7	7	0.455711
Size, nm	38	67	10	-1.85274	0.063920	-1.85274	0.063920	7	7	0.072844
St Dev (Size), nm	49	56	21	-0.44721	0.654721	-0.44721	0.654721	7	7	0.710373

“hc” vs “anlg”

	Rank Sum	Rank Sum	U	Z	p-level	Z	p-level	Valid N	Valid N	2*1sided
% Intensity	52	84	24	-0.79388	0.427263	-0.84799	0.396447	7	9	0.469755
Size, nm	54	82	26	-0.58218	0.560445	-0.58218	0.560445	7	9	0.606469
St Dev (Size), nm	56	80	28	-0.37048	0.711026	-0.37048	0.711026	7	9	0.757692

“K” re “lyd”

	Rank Sum	Rank Sum	U	Z	p-level	Z	p-level	Valid N	Valid N	2*1sided
% Intensity	309	155.5	89.5	0.645547	0.518573	0.651739	0.514570	19	11	0.524675
Size, nm	344	121	55	2.130305	0.033147	2.130305	0.033147	19	11	0.033364
St Dev (Size), nm	341	124	58	2.001196	0.045372	2.001196	0.045372	19	11	0.046502

“K” re “euf”

	Rank Sum	Rank Sum	U	Z	p-level	Z	p-level	Valid N	Valid N	2*1sided
% Intensity	227	124	37	-1.70532	0.088136	-1.72218	0.085038	19	7	0.094199
Size, nm	291	60	32	1.99435	0.046114	1.99435	0.046114	19	7	0.047622
St Dev (Size), nm	293	58	30	2.10997	0.034862	2.10997	0.034862	19	7	0.035166

“K” re “anlg”

	Rank Sum	Rank Sum	U	Z	p-level	Z	p-level	Valid N	Valid N	2*1sided
% Intensity	256	150	66	-0.959242	0.337438	-0.975530	0.329298	19	9	0.356803
Size, nm	348	58	13	3.566413	0.000362	3.566413	0.000362	19	9	0.000104
St Dev (Size), nm	340	66	21	3.172877	0.001510	3.172877	0.001510	19	9	0.000836

“K” re “hc”

	Rank Sum	Rank Sum	U	Z	p-level	Z	p-level	Valid N	Valid N	2*1sided
% Intensity	254	97	64	-0.144518	0.885091	-0.145040	0.884679	19	7	0.910143
Size, nm	313	38	10	3.266114	0.001090	3.266114	0.001090	19	7	0.000401
St Dev (Size), nm	308	43	15	2.977078	0.002910	2.977078	0.002910	19	7	0.001715

Red text – $p < p_B = 0.0125$