

1. Automatically reported spectral parameters of dynamic light scattering, experiment 22.09.2017 (selected Size in limits of 40-1360 nm)

Sample No.	Preparation	% Intensity	Size, nm	St Dev (Size), nm
1	hc	66.9	107	5.016
2	ur	100	48.57	1.154
3	csf	100	410.4	20.15
4	hc			
5	hc	100	143.1	4.713
6	ur	93.5	78.82	2.88
7	csf			
8	lyd	48.2	151.7	10.32
9	ur			
10	lyd			
11	csf	62.4	303.5	25.20
12	lyd	22.2	135.3	6.527
13	ur	22.5	271	26.23
14	ur	18.2	103.6	13.92
15	hc	25.6	228.9	20.24
16	lyd	27.4	574.1	48.68
17	hc	100	41.9	
18	lyd	31.2	1360	112.2
19	lyd			
20	ur	24.7	250.4	10.74
21	ur			
22	ur	23.6	184.4	18.23
23	csf	28.3	154.3	6.875
24	ur	100	101.6	0
25	ur			
26	lyd			
27	hc	64.8	545	43.04
28	csf			
29	lyd	30.4	294.4	29.01
30	hc			
31	ur	17.3	227.8	11.6
32	hc	100	185.2	9.249
33	csf			
34	lyd			
35	csf	35.5	783.5	63.83
36	csf	100	112.5	4.041
37	hc			
38	csf			
39	csf			
40	hc	6.6	77.41	2.535
41	csf	44.8	943.9	88.46
42	csf	16.9	176.8	17.01

43	lyd	7.2	53.8	4.42
44	hc	100	478.9	29.3
45	ur			
46	lyd	19.9	244.2	25.18
47	lyd	12.8	158.2	30.35
48	ur			
49	hc			
50	ur	13	118	6.272
51	lyd	38.3	314.2	33.5
52	csf	18	127.1	6.582
53	hc			
54	lyd	18.7	309.3	27.05
55	csf	100	56.7	0
56	lyd	47.3	1062	53.29
57	ur			
58	hc	100	251.9	9.166
59	csf			
60	hc	100	226.3	0.000003

Note:

Yellow marks – samples excluded due to an absence of refraction peaks or Size lying out of accepted limits 40-1360 nm.

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

“hc” *re* “ur”

	Rank Sum	Rank Sum	U	Z	p-level	Z	p-level	Valid N	Valid N	2*1sided
% Intensity	121	69	24	1.714643	0.086412	1.781534	0.074826	10	9	0.094720
Size, nm	110	80	35	0.816497	0.414217	0.816497	0.414217	10	9	0.446968
St Dev (Size), nm	88	83	38	0.220755	0.825283	0.220755	0.825283	9	9	0.863307

“hc” *re* “csf”

	Rank Sum	Rank Sum	U	Z	p-level	Z	p-level	Valid N	Valid N	2*1sided
% Intensity	114	76	31	1.143095	0.253000	1.208467	0.226869	10	9	0.277512
Size, nm	94	96	39	-0.489898	0.624206	-0.489898	0.624206	10	9	0.660720
St Dev (Size), nm	79	92	34	-0.573964	0.565993	-0.573964	0.565993	9	9	0.604813

“hc” *re* “lyd”

	Rank Sum	Rank Sum	U	Z	p-level	Z	p-level	Valid N	Valid N	2*1sided
% Intensity	148	83	17	2.67588	0.007454	2.70682	0.006794	10	11	0.006192
Size, nm	92	139	37	-1.26752	0.204970	-1.26752	0.204970	10	11	0.223024
St Dev (Size), nm	68	142	23	-2.01330	0.044084	-2.01330	0.044084	9	11	0.046452

Red text – $p < p_B = 0.0125$