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APPENDICES

Appendix A: Experimental Data of Transient Capillary Rise of SDS

Table A.1 Transient capillary rise of SDS at concentration 3 mM

Time (min)	Liquid height in a capillary tube (mm)			
	Batch 1	Batch 2	Batch 3	Batch 4
0	19.37	17.69	19.62	19.94
2	19.48	17.80	19.73	20.07
4	19.61	17.85	19.79	20.13
6	19.64	17.92	19.89	20.21
8	19.68	17.97	19.92	20.26
10	19.73	17.95	19.98	20.28
12	19.78	18.00	19.98	20.30
14	19.80	18.02	19.98	20.32
15	19.80	18.04	20.00	20.32
20	19.85	18.09	20.04	20.37
25	19.88	18.15	20.08	20.42
30	19.93	18.19	20.12	20.45
35	19.97	18.17	20.17	20.49
40	19.96	18.24	20.18	20.51
45	20.00	18.22	20.20	20.51
50	20.02	18.24	20.20	20.53
55	20.03	18.22	20.22	20.53
60	20.04	18.30	20.22	20.53
70	20.05	18.30	20.26	20.54
80	20.06	18.33	20.27	20.59
90	20.10	18.36	20.27	20.58
100	20.12	18.41	20.30	20.60
120	20.12	18.41	20.32	20.60
150	20.12	18.41	20.32	20.60
180	20.12	18.42	20.32	20.60
240	20.12	18.42	20.32	20.60
300	20.12	18.42	20.32	20.60

Table A.2 Transient capillary rise of SDS at concentration 4 mM

Time (min)	Liquid height in a capillary tube (mm)			
	Batch 1	Batch 2	Batch 3	Batch 4
0	18.08	17.10	17.22	17.64
2	18.08	17.11	17.22	17.65
4	18.10	17.09	17.22	17.63
6	18.13	17.14	17.29	17.64
8	18.17	17.15	17.32	17.68
10	18.21	17.19	17.33	17.70
12	18.25	17.17	17.35	17.71
14	18.27	17.19	17.42	17.75
16	18.30	17.26	17.44	17.77
18	18.31	17.27	17.46	17.77
20	18.32	17.28	17.46	17.81
25	18.37	17.32	17.48	17.86
30	18.42	17.38	17.56	17.93
35	18.48	17.46	17.63	17.97
40	18.51	17.48	17.63	17.99
45	18.54	17.48	17.66	17.99
50	18.55	17.50	17.69	18.03
55	18.58	17.50	17.69	18.07
60	18.59	17.53	17.70	18.08
70	18.65	17.55	17.77	18.18
80	18.65	17.62	17.80	18.20
90	18.72	17.64	17.85	18.23
100	18.72	17.67	17.90	18.28
110	18.73	17.70	17.93	18.29
120	18.74	17.70	17.96	18.32
150	18.77	17.69	17.98	18.39
180	18.83	17.70	18.04	18.40
210	18.83	17.70	18.04	18.48
240	18.83	17.70	18.09	18.48
300	18.85	17.75	18.18	18.57

Table A.3 Transient capillary rise of SDS at concentration 5 mM

Time (min)	Liquid height in a capillary tube (mm)			
	Batch 1	Batch 2	Batch 3	Batch 4
0	16.44	16.52	16.65	15.73
2	16.49	16.61	16.74	15.89
4	16.59	16.68	16.83	15.93
6	16.46	16.71	16.90	16.06
8	16.47	16.76	16.97	16.09
10	16.50	16.80	17.03	16.13
12	16.53	16.84	17.09	16.16
14	16.56	16.90	17.13	16.22
16	16.62	16.92	17.21	16.26
18	16.66	16.97	17.24	16.30
20	16.68	17.01	17.28	16.33
25	16.74	17.06	17.33	16.37
30	16.78	17.11	17.40	16.44
35	16.87	17.12	17.44	16.51
40	16.89	17.20	17.48	16.54
45	16.93	17.23	17.51	16.56
50	16.94	17.21	17.53	16.61
55	17.01	17.21	17.57	16.60
60	17.03	17.25	17.57	16.65
70	17.03	17.25	17.59	16.66
80	17.03	17.25	17.59	16.66
90	17.03	17.25	17.59	16.66
100	17.05	17.25	17.61	16.67
110	17.05	17.25	17.63	16.68
120	17.08	17.27	17.63	16.69
150	17.16	17.30	17.67	16.72
180	17.17	17.30	17.69	16.74
210	17.17	17.31	17.76	16.78
240	17.27	17.37	17.76	16.81
300	17.32	17.38	17.85	16.83

Table A.4 Transient capillary rise of SDS at concentration 7 mM

Time (min)	Liquid height in a capillary tube (mm)			
	Batch 1	Batch 2	Batch 3	Batch 4
0	14.80	14.90	15.23	14.81
2	14.87	14.94	15.30	14.87
4	14.90	14.97	15.33	14.90
6	14.93	15.02	15.37	14.93
8	14.99	15.07	15.42	14.97
10	15.03	15.09	15.46	14.99
12	15.08	15.14	15.50	15.05
14	15.11	15.16	15.54	15.07
16	15.16	15.20	15.55	15.09
18	15.19	15.19	15.58	15.11
20	15.21	15.25	15.60	15.15
25	15.23	15.27	15.62	15.18
30	15.27	15.30	15.64	15.22
35	15.31	15.33	15.66	15.24
40	15.33	15.38	15.66	15.24
45	15.35	15.41	15.70	15.26
50	15.38	15.52	15.70	15.26
55	15.37	15.41	15.67	15.30
60	15.37	15.40	15.68	15.30
70	15.41	15.43	15.71	15.33
80	15.42	15.49	15.75	15.35
90	15.45	15.45	15.77	15.40
100	15.47	15.52	15.77	15.44
110	15.49	15.54	15.80	15.42
120	15.49	15.58	15.80	15.45
150	15.52	15.63	15.81	15.47
180	15.56	15.67	15.85	15.58
210	15.60	15.70	15.85	15.58
240	15.62	15.74	15.88	15.61
300	15.65	15.80	15.90	15.74

Table A.5 Transient capillary rise of SDS at concentration 8 mM

Time (min)	Liquid height in a capillary tube (mm)			
	Batch 1	Batch 2	Batch 3	Batch 4
0	13.87	13.99	14.29	14.02
2	13.89	14.01	14.39	14.13
4	13.90	14.08	14.44	14.17
6	13.93	14.12	14.51	14.21
8	13.94	14.19	14.56	14.28
10	13.95	14.25	14.61	14.33
12	13.96	14.27	14.64	14.36
14	13.98	14.31	14.68	14.40
16	14.00	14.35	14.74	14.44
18	14.04	14.36	14.75	14.45
20	14.09	14.38	14.76	14.48
25	14.12	14.44	14.81	14.52
30	14.17	14.46	14.84	14.54
35	14.22	14.50	14.89	14.59
40	14.27	14.54	14.94	14.64
45	14.32	14.60	14.96	14.69
50	14.34	14.62	14.98	14.71
55	14.37	14.62	15.01	14.73
60	14.40	14.65	15.02	14.75
70	14.43	14.68	15.05	14.78
80	14.43	14.68	15.05	14.76
90	14.43	14.68	15.06	14.80
100	14.43	14.69	15.06	14.80
110	14.47	14.75	15.11	14.80
120	14.49	14.76	15.11	14.83
150	14.52	14.78	15.14	14.86
180	14.54	14.79	15.17	14.88
210	14.54	14.79	15.17	14.88
240	14.54	14.79	15.17	14.88
300	14.54	14.79	15.17	14.88

Appendix B: Experimental Data of Transient Capillary Rise of Triton X-100

Table B.1 Transient capillary rise of Triton X-100 at concentration 0.05 mM

Time (min)	Liquid height in a capillary tube (mm)			
	Batch 1	Batch 2	Batch 3	Batch 4
0	15.43	16.26	15.88	16.24
2	15.44	16.26	15.89	16.25
5	15.45	16.26	15.89	16.28
10	15.46	16.27	15.90	16.29
20	15.48	16.29	15.92	16.32
30	15.51	16.31	15.94	16.34
40	15.53	16.33	15.97	16.36
50	15.55	16.35	15.99	16.38
60	15.57	16.37	16.01	16.40
80	15.60	16.39	16.03	16.42
100	15.62	16.40	16.03	16.43
120	15.62	16.40	16.03	16.43
150	15.62	16.40	16.03	16.43
180	15.62	16.40	16.03	16.43
240	15.62	16.40	16.03	16.43

Table B.2 Transient capillary rise of Triton X-100 at concentration 0.10 mM

Time (min)	Liquid height in a capillary tube (mm)			
	Batch 1	Batch 2	Batch 3	Batch 4
0	14.47	14.87	14.90	14.46
2	14.47	14.89	14.96	14.46
5	14.48	14.90	15.00	14.46
10	14.49	14.91	15.02	14.47
20	14.51	14.93	15.05	14.50
30	14.53	14.96	15.07	14.52
40	14.55	14.98	15.09	14.54
50	14.57	15.00	15.11	14.56
60	14.59	15.02	15.13	14.58
80	14.62	15.04	15.16	14.60
100	14.64	15.07	15.18	14.62
120	14.65	15.08	15.19	14.63
150	14.65	15.08	15.19	14.63
180	14.65	15.08	15.19	14.63
240	14.65	15.08	15.19	14.63

Table B.3 Transient capillary rise of Triton X-100 at concentration 0.15 mM

Time (min)	Liquid height in a capillary tube (mm)			
	Batch 1	Batch 2	Batch 3	Batch 4
0	14.30	13.76	13.56	14.01
2	14.30	13.76	13.56	14.01
5	14.31	13.77	13.56	14.01
10	14.32	13.78	13.57	14.02
20	14.34	13.81	13.59	14.04
30	14.36	13.83	13.61	14.06
40	14.38	13.85	13.63	14.08
50	14.40	13.87	13.65	14.10
60	14.42	13.89	13.68	14.12
80	14.44	13.91	13.70	14.14
100	14.45	13.92	13.71	14.15
120	14.45	13.92	13.71	14.15
150	14.45	13.92	13.71	14.15
180	14.45	13.92	13.71	14.15
240	14.45	13.92	13.71	14.15

Table B.4 Transient capillary rise of Triton X-100 at concentration 0.20 mM

Time (min)	Liquid height in a capillary tube (mm)			
	Batch 1	Batch 2	Batch 3	Batch 4
0	13.01	13.33	13.06	13.25
2	13.01	13.33	13.06	13.25
5	13.01	13.33	13.06	13.25
10	13.02	13.34	13.07	13.26
20	13.04	13.36	13.09	13.28
30	13.06	13.38	13.11	13.30
40	13.08	13.41	13.13	13.32
50	13.10	13.43	13.15	13.34
60	13.12	13.45	13.17	13.36
80	13.14	13.46	13.19	13.39
100	13.15	13.47	13.20	13.39
120	13.15	13.47	13.20	13.39
150	13.15	13.47	13.20	13.39
180	13.15	13.47	13.20	13.39
240	13.15	13.47	13.20	13.39

Table B.5 Transient capillary rise of Triton X-100 at concentration 0.25 mM

Time (min)	Liquid height in a capillary tube (mm)			
	Batch 1	Batch 2	Batch 3	Batch 4
0	12.34	12.95	12.42	12.98
2	12.34	12.95	12.42	12.98
5	12.34	12.95	12.43	12.98
10	12.35	12.96	12.44	13.00
20	12.37	12.98	12.46	13.02
30	12.39	13.00	12.48	13.04
40	12.41	13.02	12.50	13.06
50	12.43	13.04	12.52	13.08
60	12.45	13.06	12.54	13.10
80	12.47	13.08	12.57	13.12
100	12.48	13.09	12.57	13.13
120	12.48	13.09	12.57	13.13
150	12.48	13.09	12.57	13.13
180	12.48	13.09	12.57	13.13
240	12.48	13.09	12.57	13.13

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