

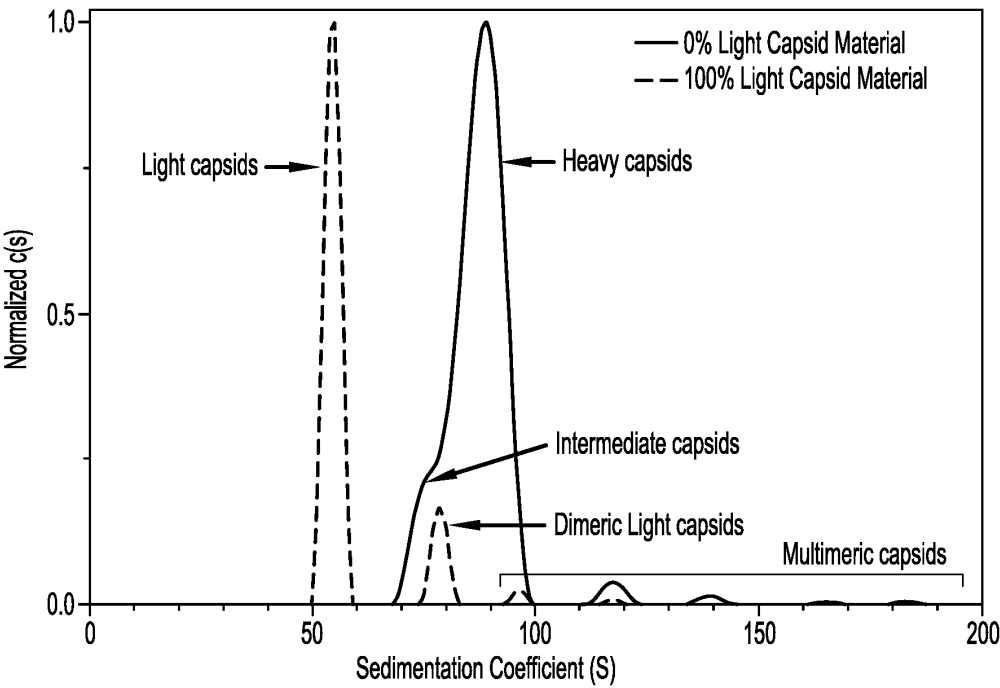


FIG.1

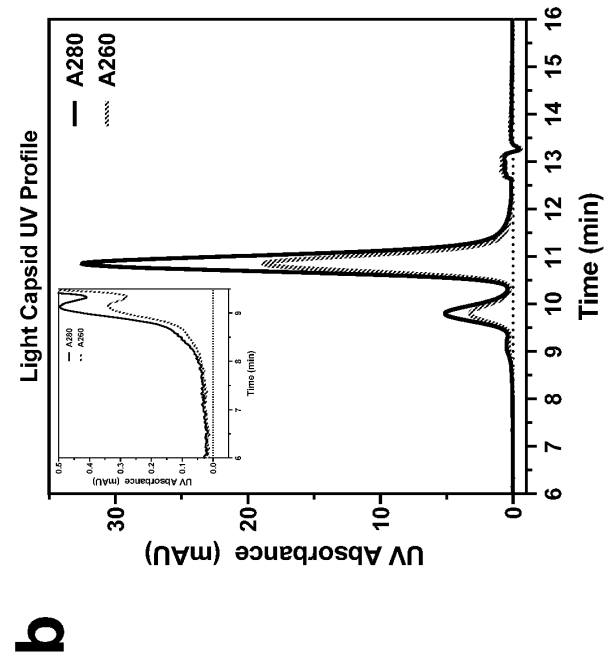


Fig. 2B

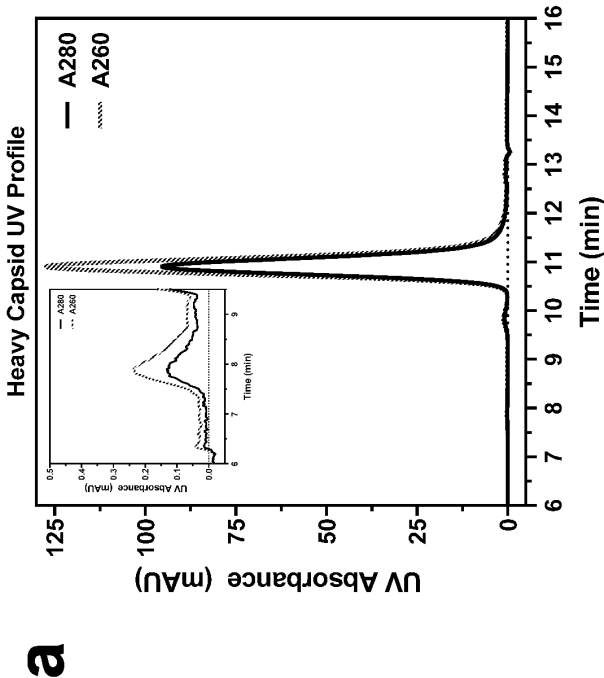


Fig. 2A

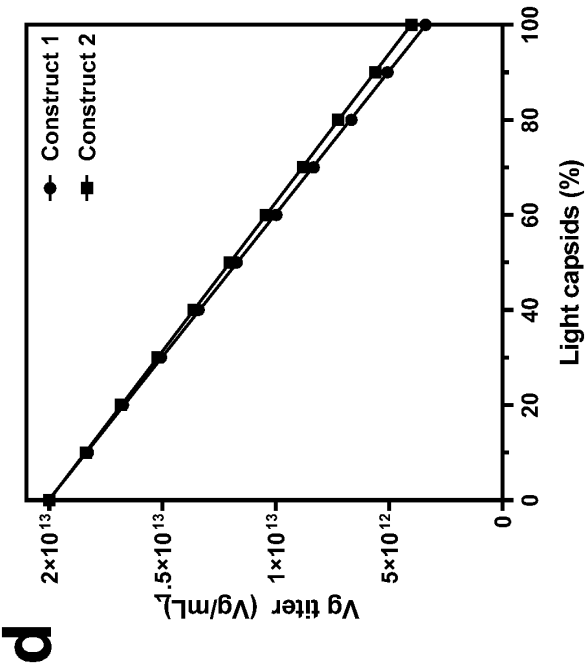


Fig. 2D

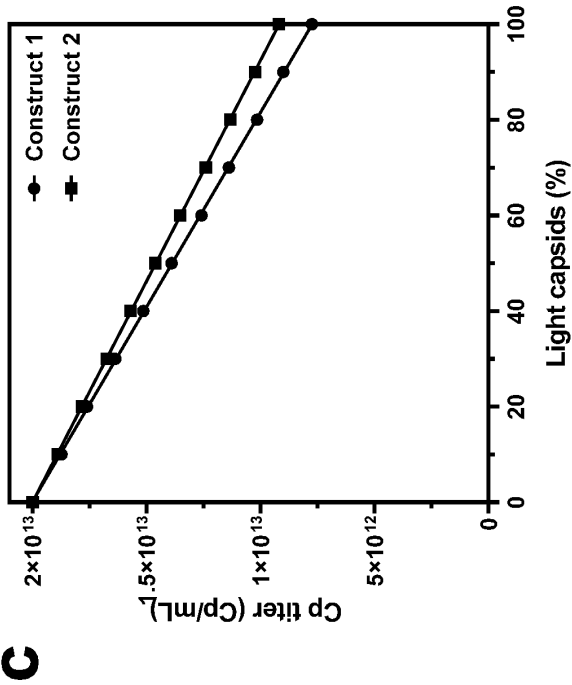


Fig. 2C

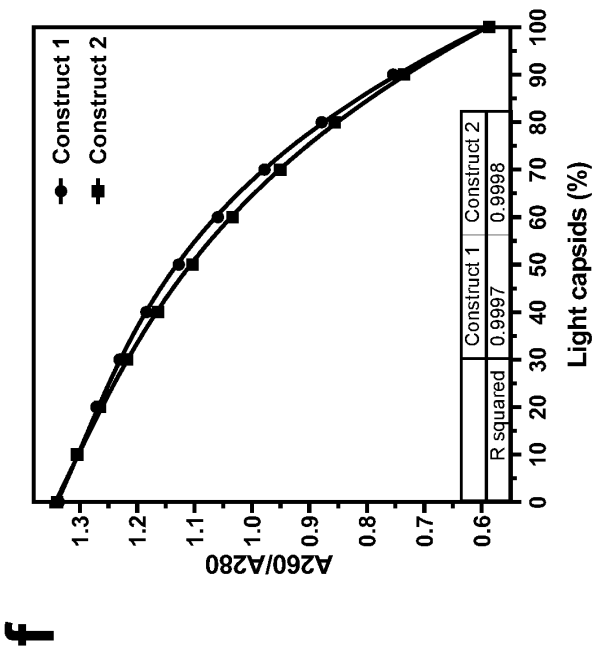


Fig. 2F

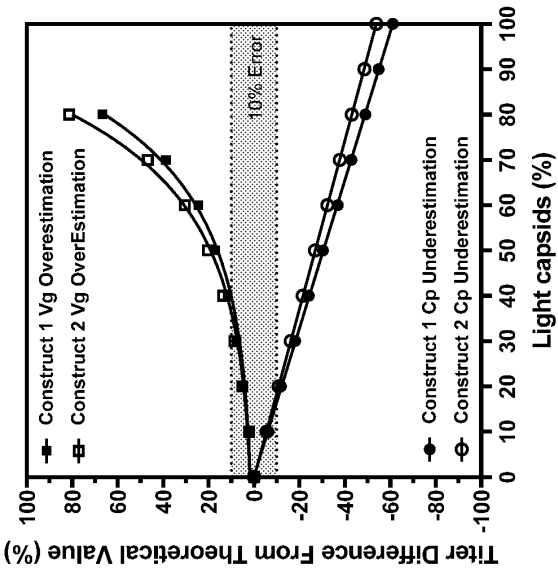


Fig. 2E

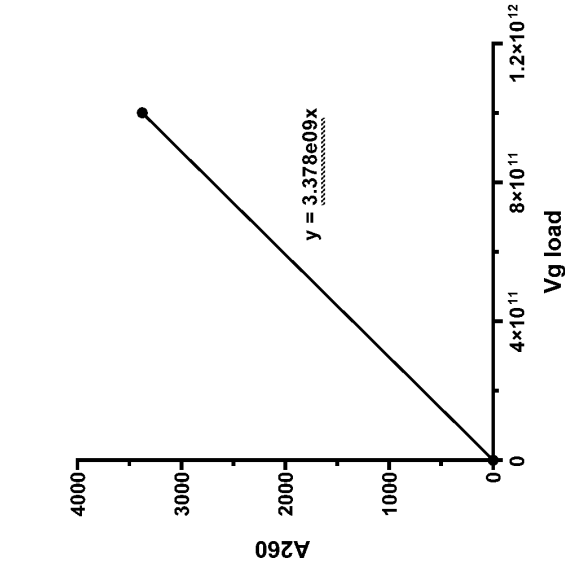


Fig. 3B

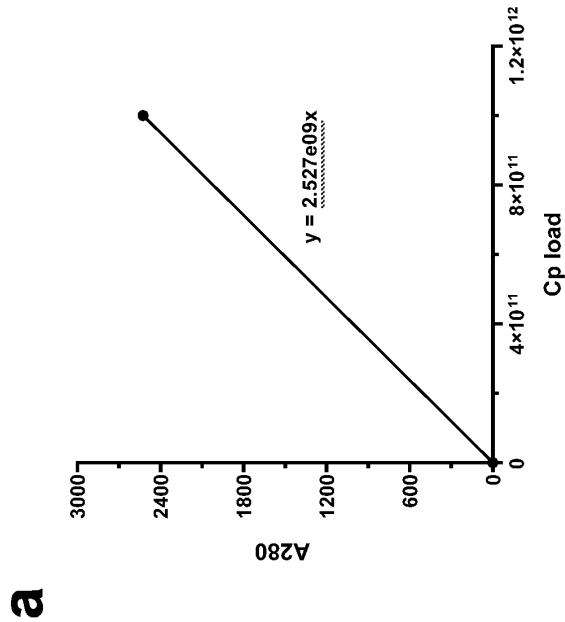


Fig. 3A

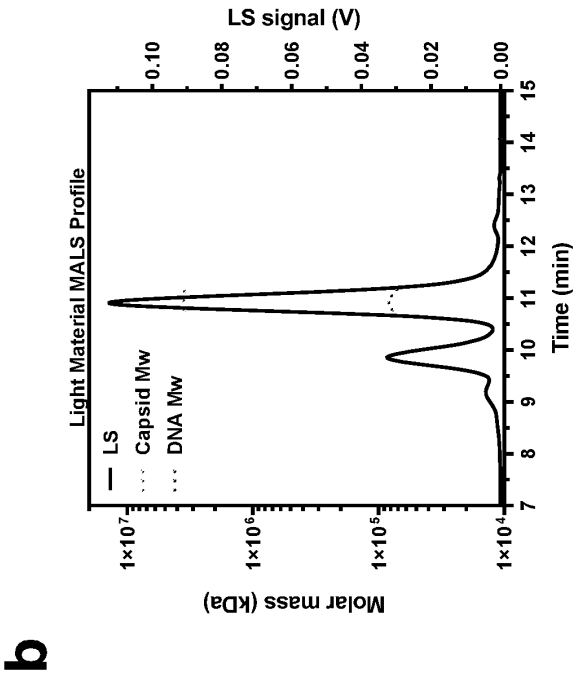


Fig. 4A

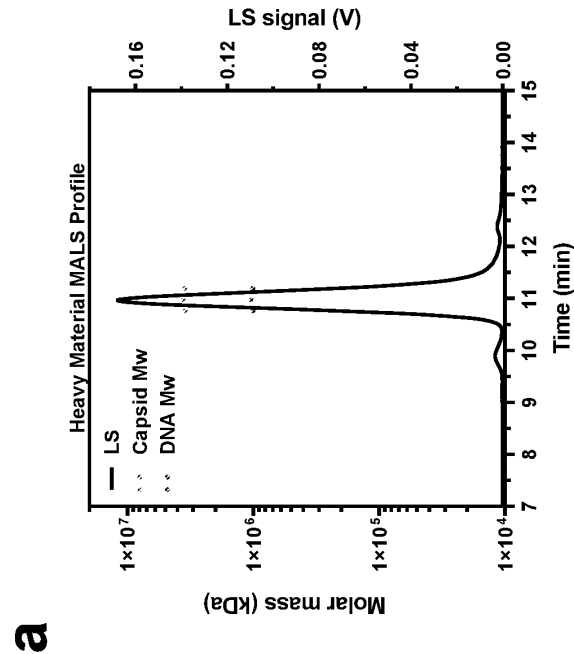


Fig. 4B

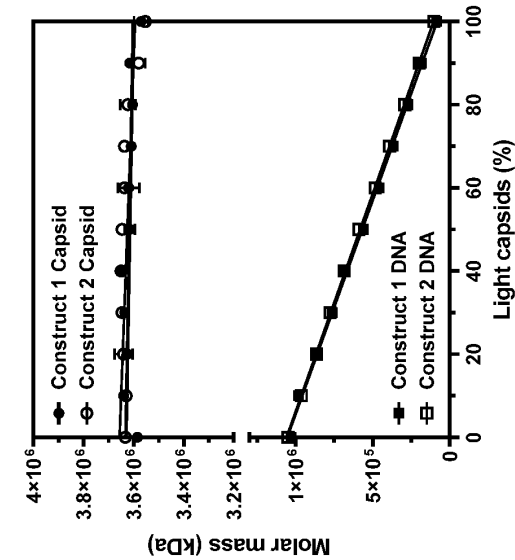


Fig. 4D

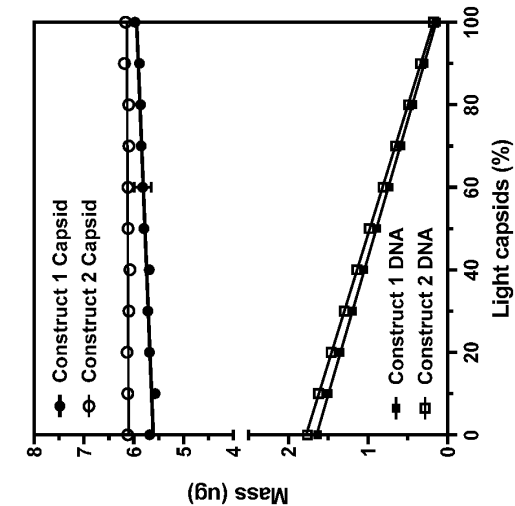


Fig. 4C

d

c

b

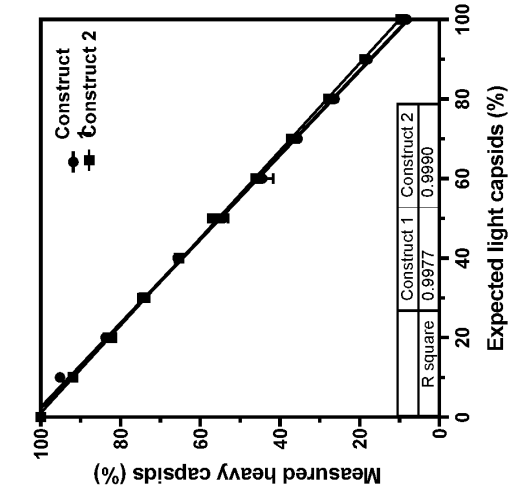


Fig. 5B

a

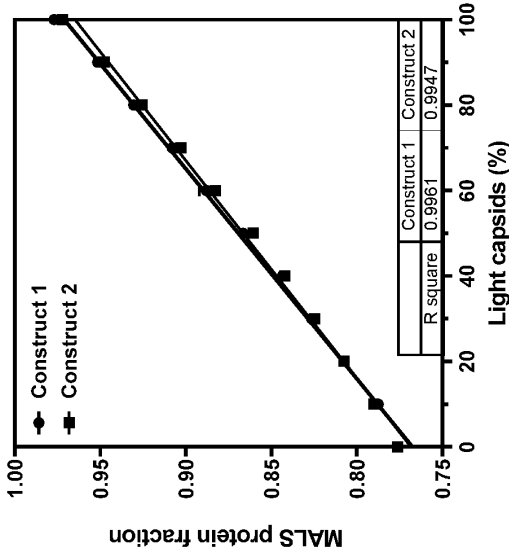


Fig. 5A

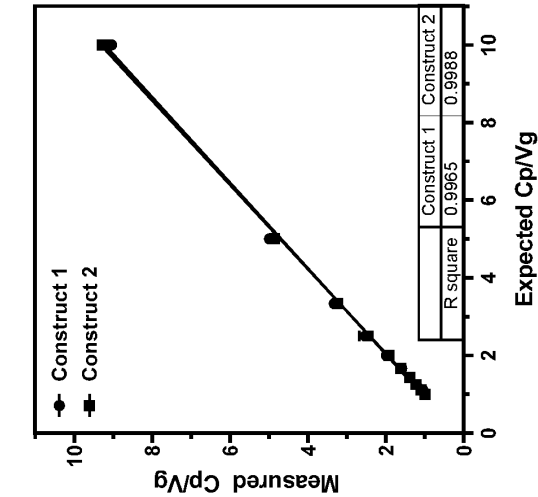


Fig. 5D

d

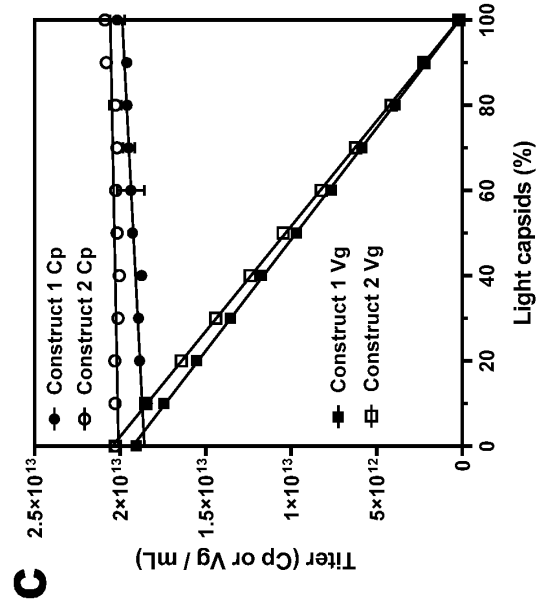


Fig. 5C

a

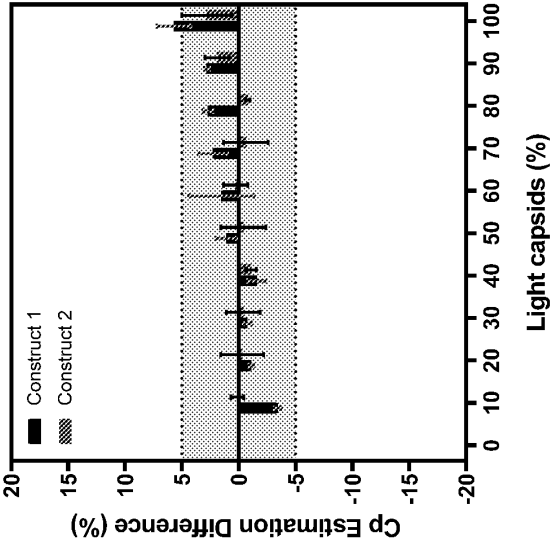


Fig. 6A

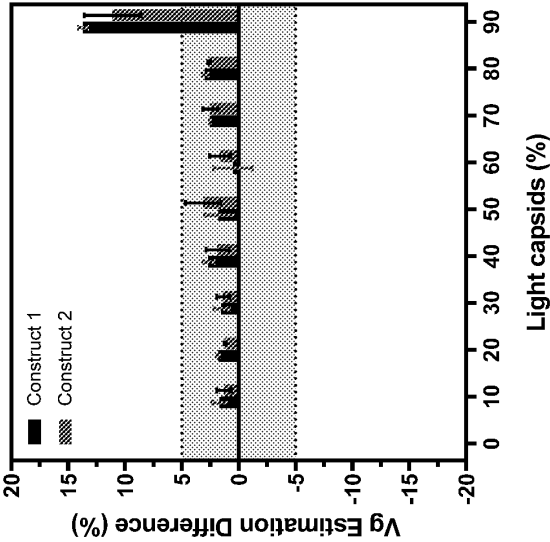


Fig. 6B

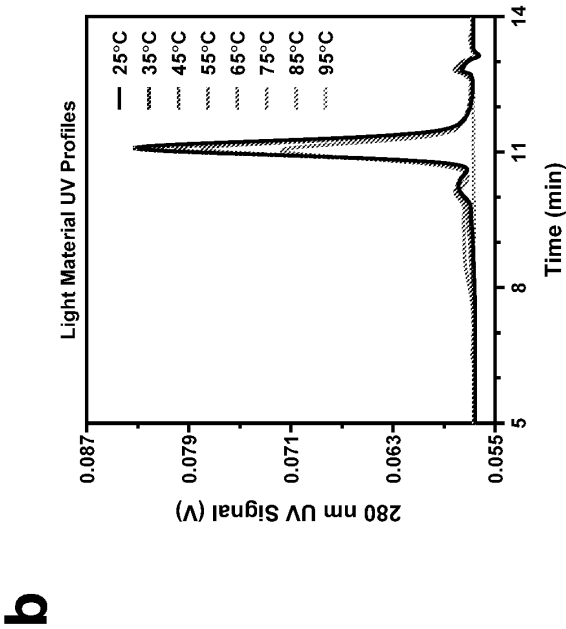


Fig. 7A

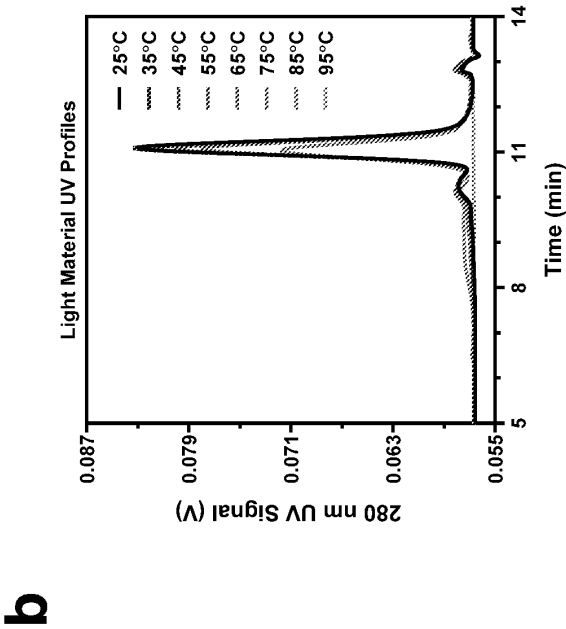


Fig. 7B

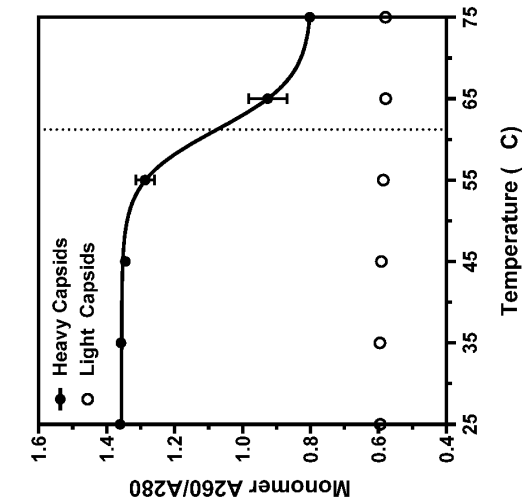


Fig. 7D

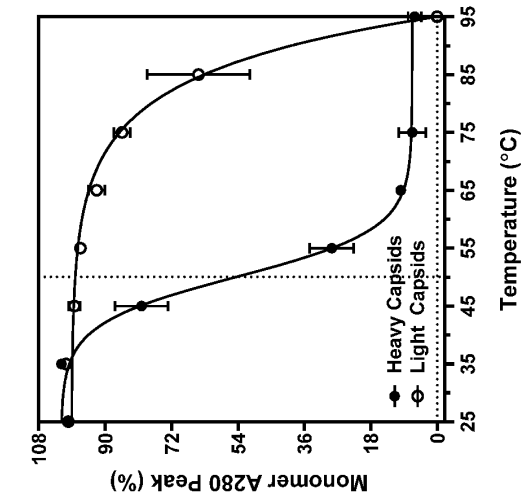


Fig. 7C

f

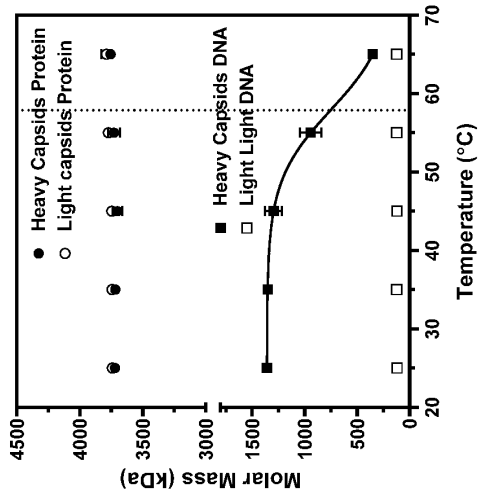


Fig. 7F

e

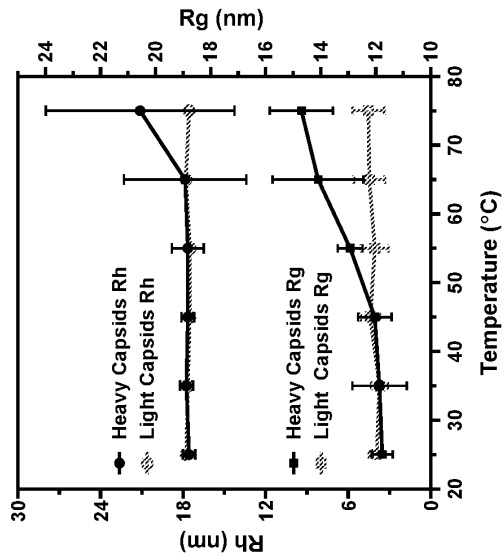


Fig. 7E

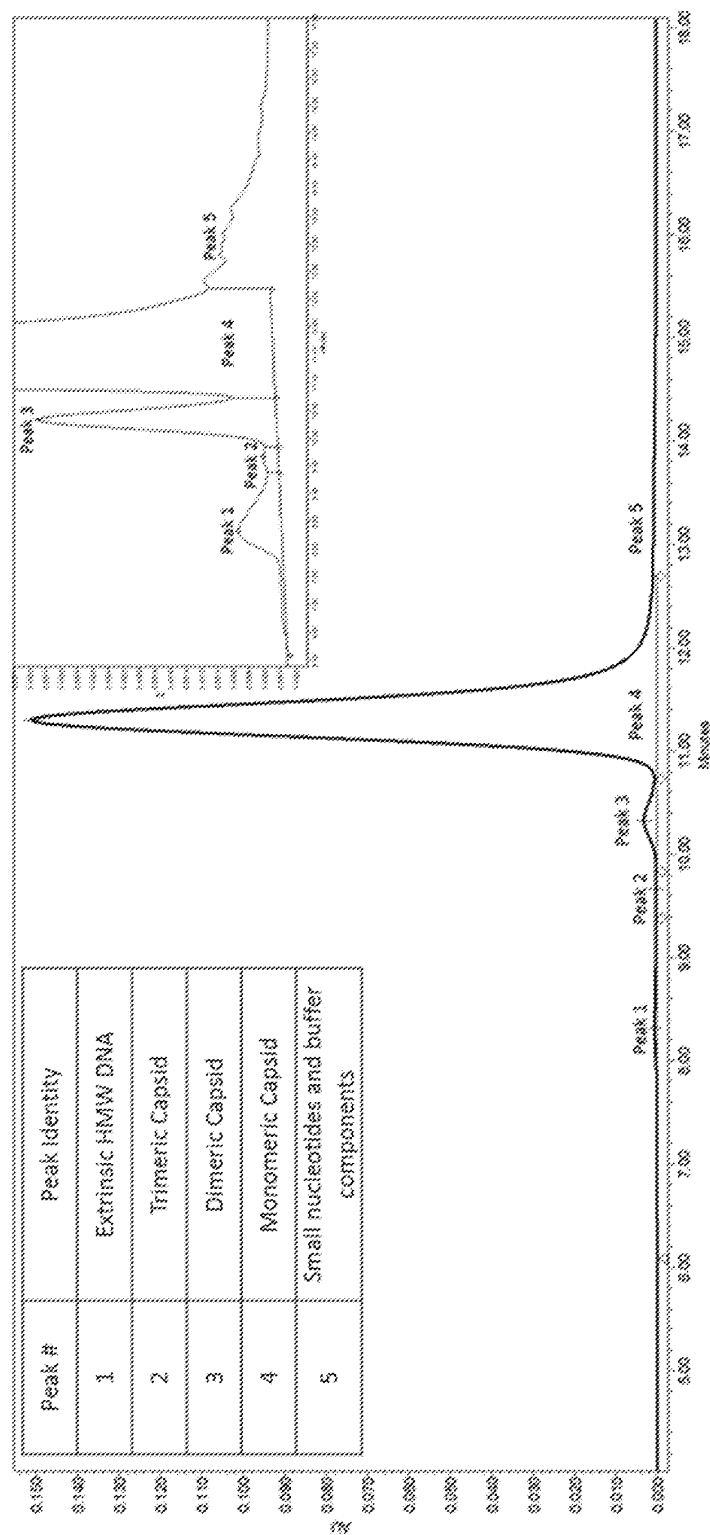


Fig. 8A

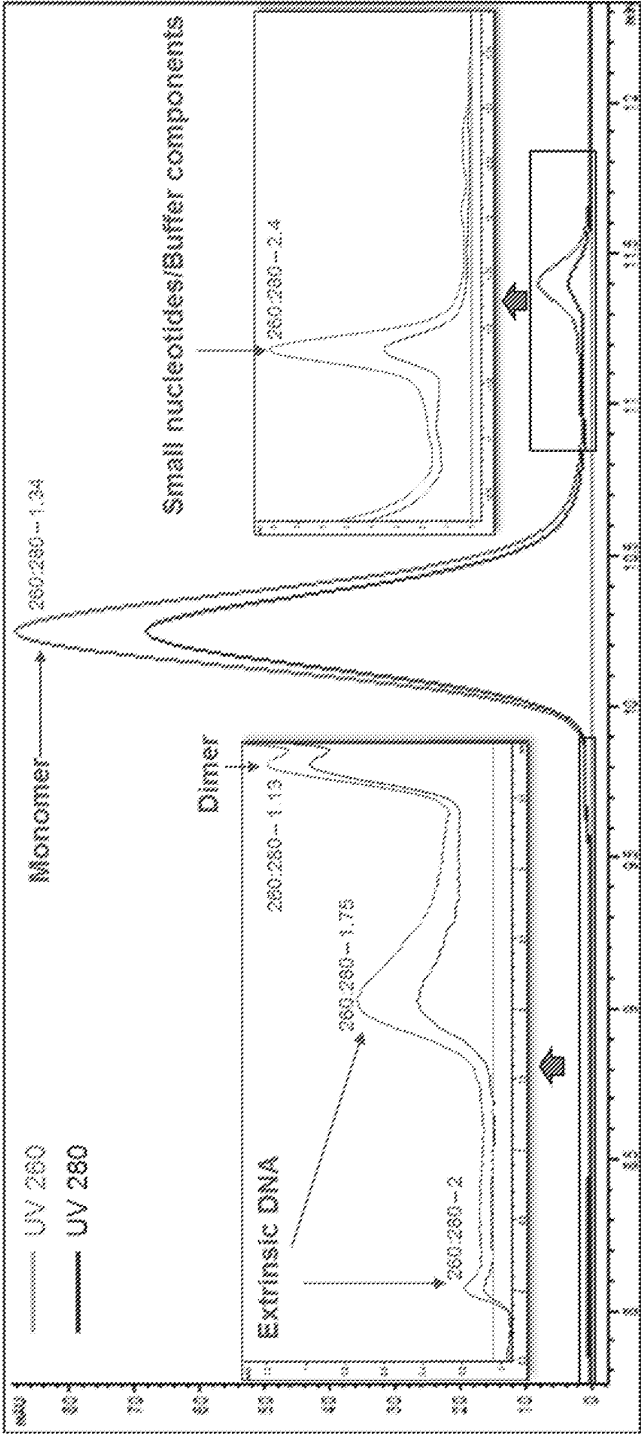


Fig. 8B

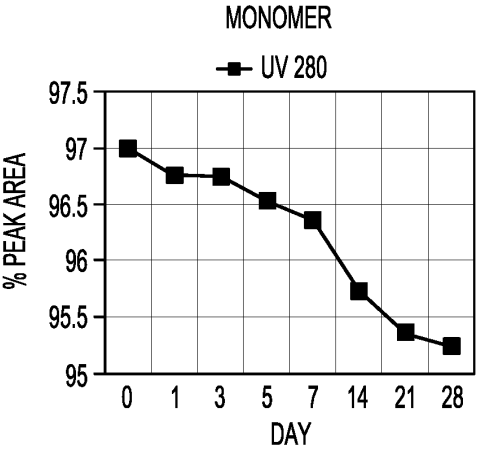


FIG.9A

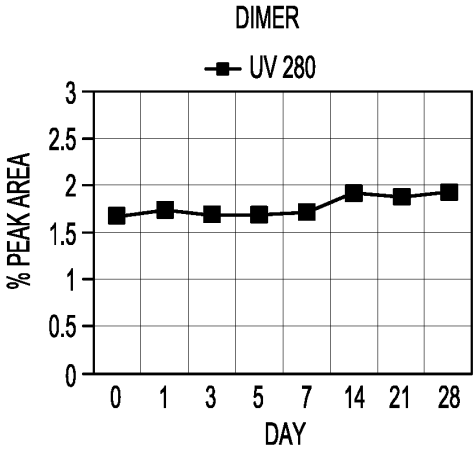


FIG.9B

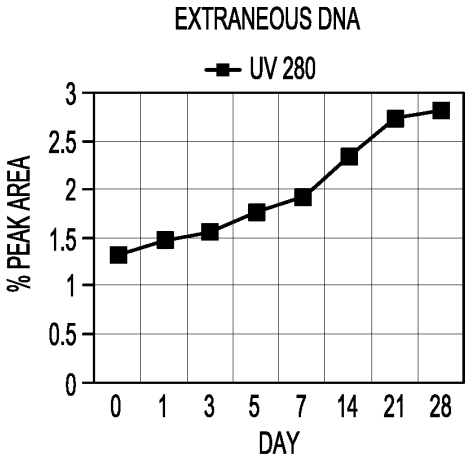
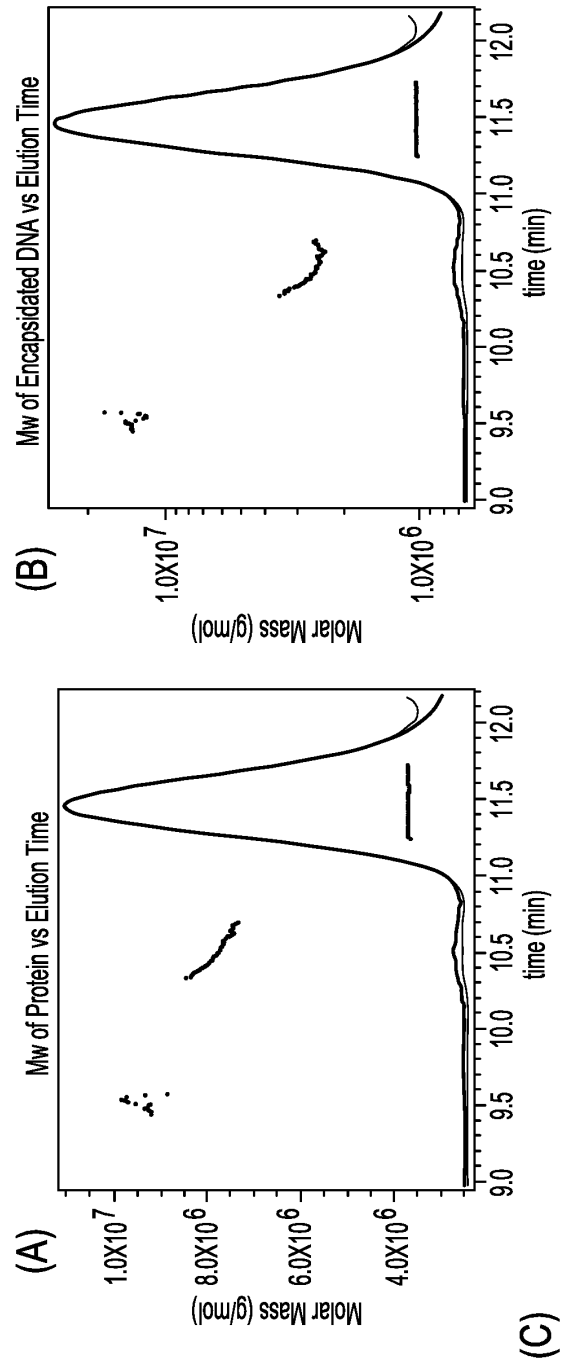


FIG.9C



Monomer					Dimer					Multimer				
Rg (nm)	Protein Fraction	Mw (protein) (kDa)	Mw (DNA) (kDa)	Rg (nm)	Protein Fraction	Mw (protein) (kDa)	Mw (DNA) (kDa)	Rg (nm)	Protein Fraction	Mw (protein) (kDa)	Mw (DNA) (kDa)	Rg (nm)	Protein Fraction	Mw (DNA) (kDa)
9.8	0.781	3675.7	1028.5	16.5	0.745	7761.7	2664.9	21.4	0.414	9399.7	13387.6	12.1	0.414	9399.7

FIG.10

Sample	Protein Fraction	Protein Mass (µg)	DNA Mass (µg)	Protein MW	Modifier MW
Reference material 1A	0.765	7.15	2.2	3.74E+06	1.15E+06
Sample 1	0.771	7.07	2.1	3.70E+06	1.11E+06
Sample 2	0.8	17.31	4.34	3.73E+06	9.37E+05
Sample 3	0.787	13.67	3.69	3.78E+06	1.02E+06
Sample 4		14.30	5.50	3.66E+06	1.41E+06
Sample 5	0.72	12.66	4.91	3.70E+06	1.44E+06
Reference material 1B	0.771	6.16	1.83	3.70E+06	1.10E+06

0% Light Capsids in all samples by AUC

Fig. 11

Sample	MALS CP/mL	MALS vg/mL	ELISA Cp/ml	PCR Vg/ml	MALS CP/mL
Reference material 1A	2.30E+13	2.30E+13	2.05E+13	2.27E+13	2.30E+13
Sample 1	2.30E+13	2.28E+13	1.99E+13	1.64E+13	2.30E+13
Sample 2	2.79E+14	2.78E+14		2.4E+14	2.79E+14
Sample 3	2.18E+14	2.17E+14		2.2E+14	2.18E+14
Sample 4	4.71E+13	4.69E+13		5.11E13	4.71E+13
Sample 5	4.58E+13	4.58E+13		5.11E13	4.58E+13
Reference material 1B	2.01E+13	2.00E+13	2.12E+13	2.10E+13	2.01E+13

~0% Light Capsids in all samples by AUC

Fig. 12

Fig. 13A

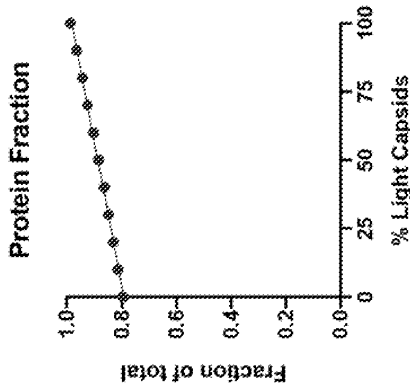


Fig. 13B

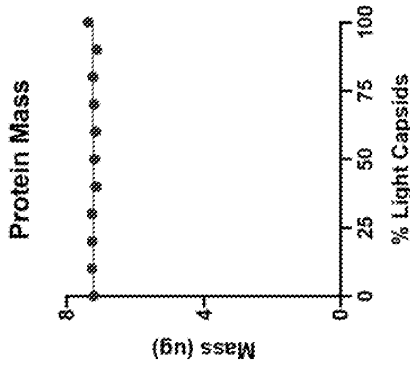


Fig. 13C

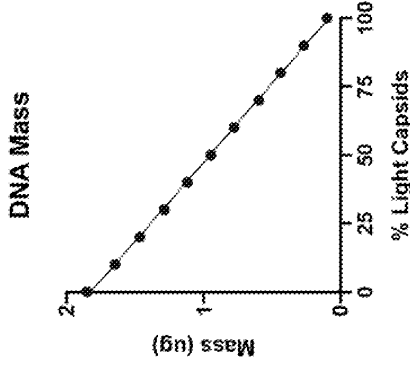


Fig. 14A

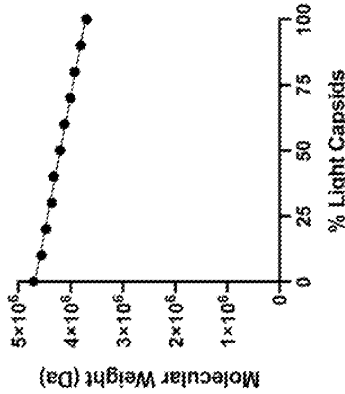


Fig. 14B

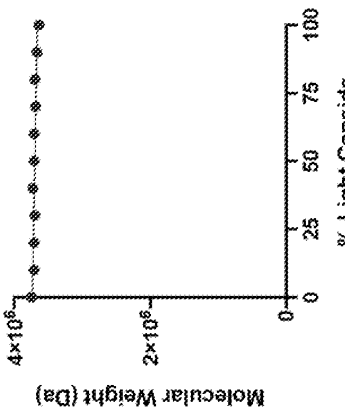
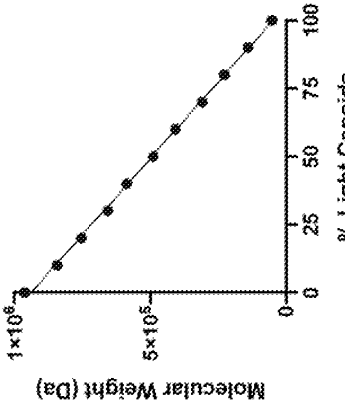


Fig. 14C



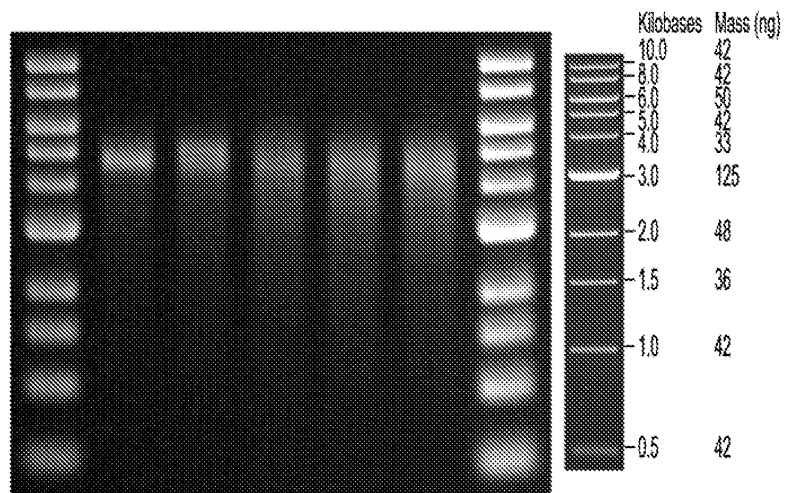


FIG.15

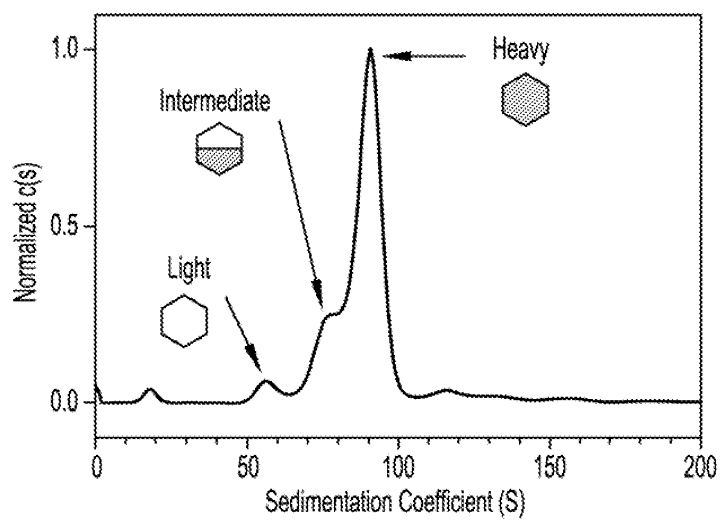


FIG.16

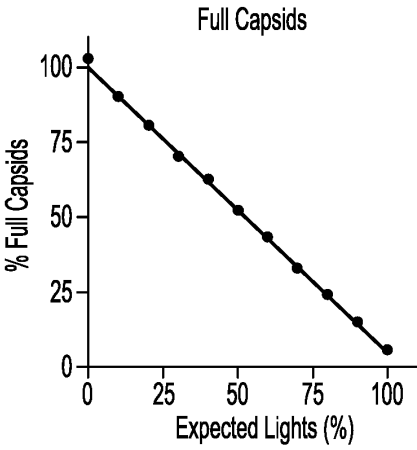


FIG.17A

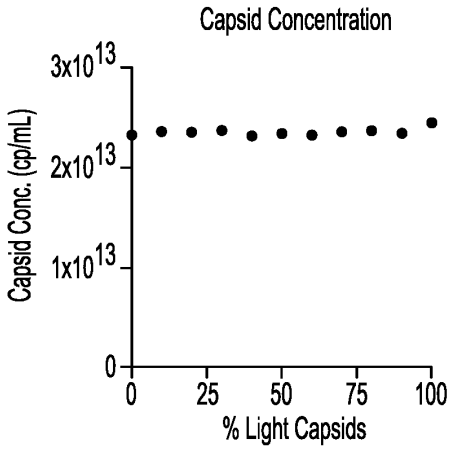


FIG.17B

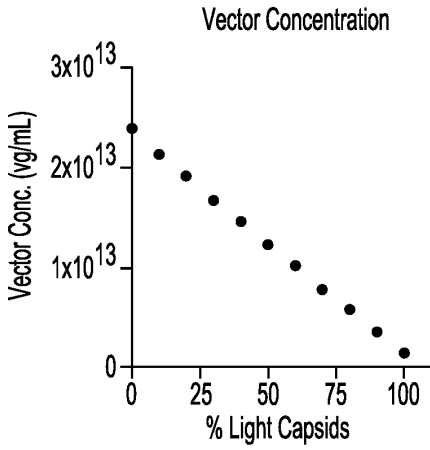


FIG.17C

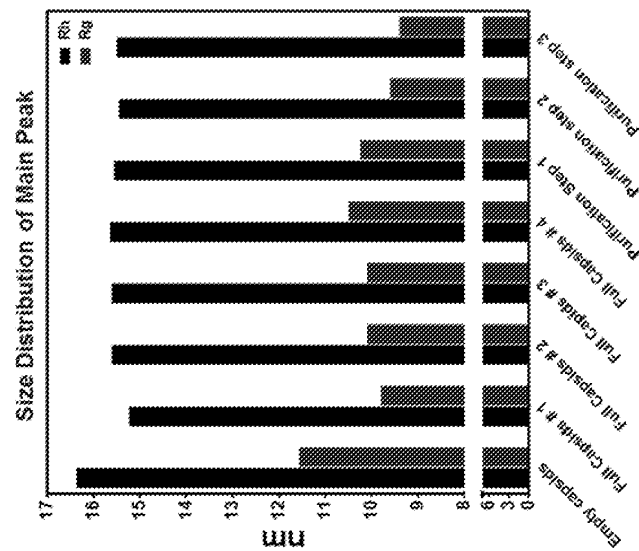


Fig. 18B

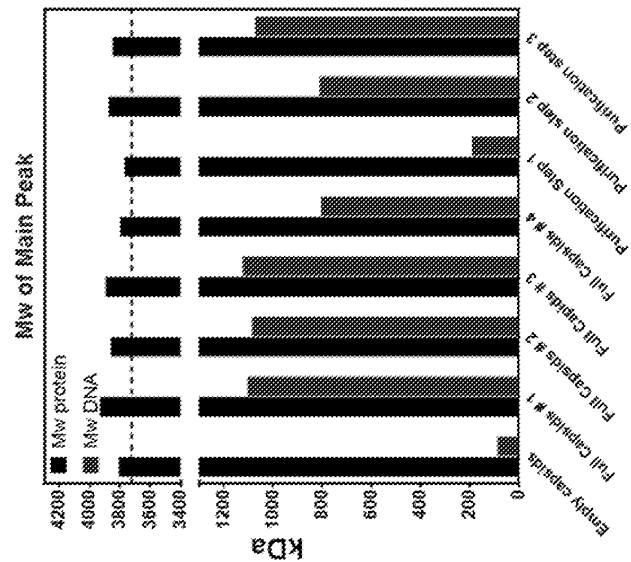


Fig. 18A

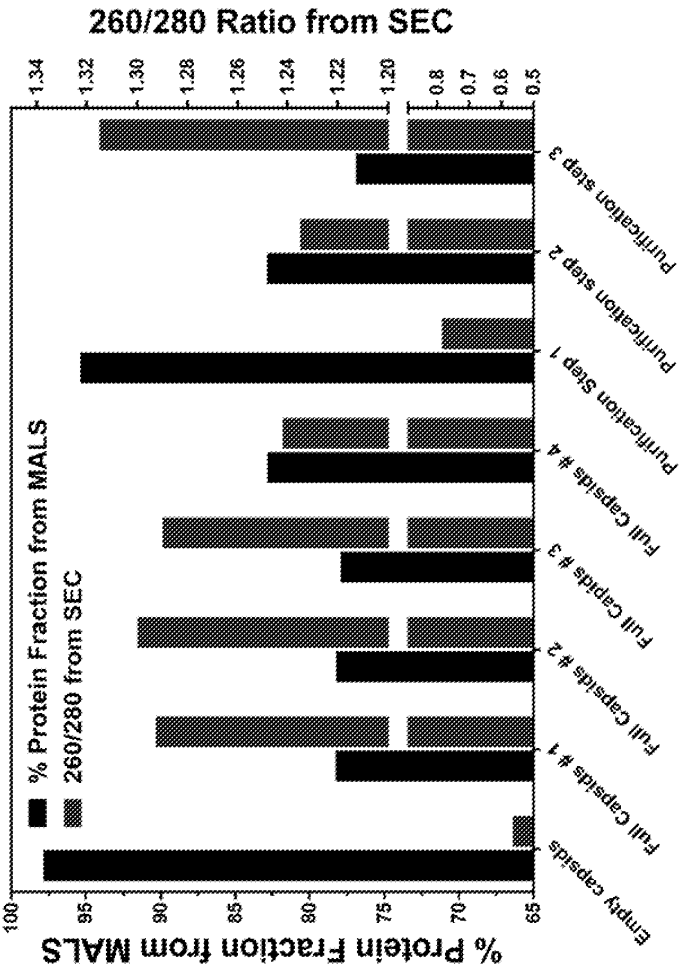


Fig. 19

Fig. 20C

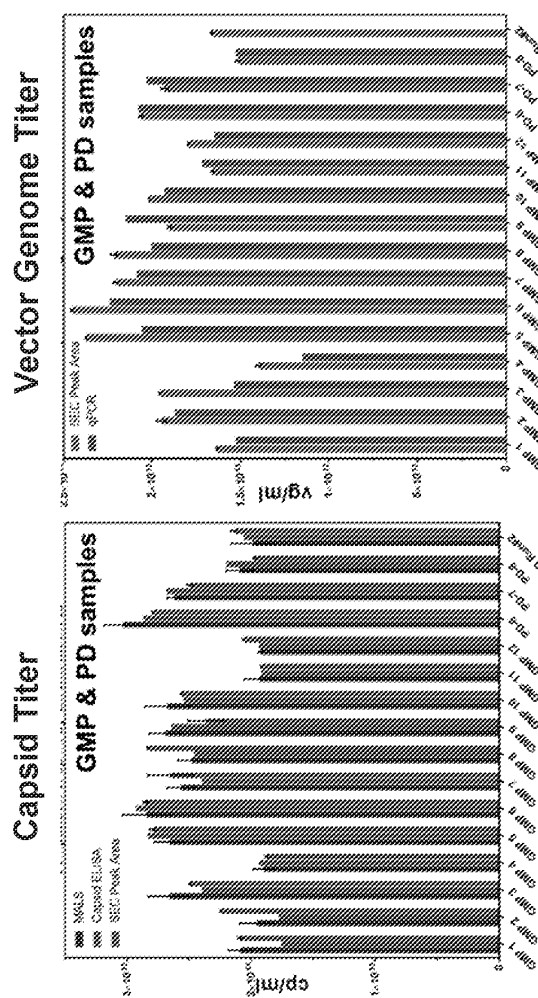


Fig. 20A

Fig. 20D

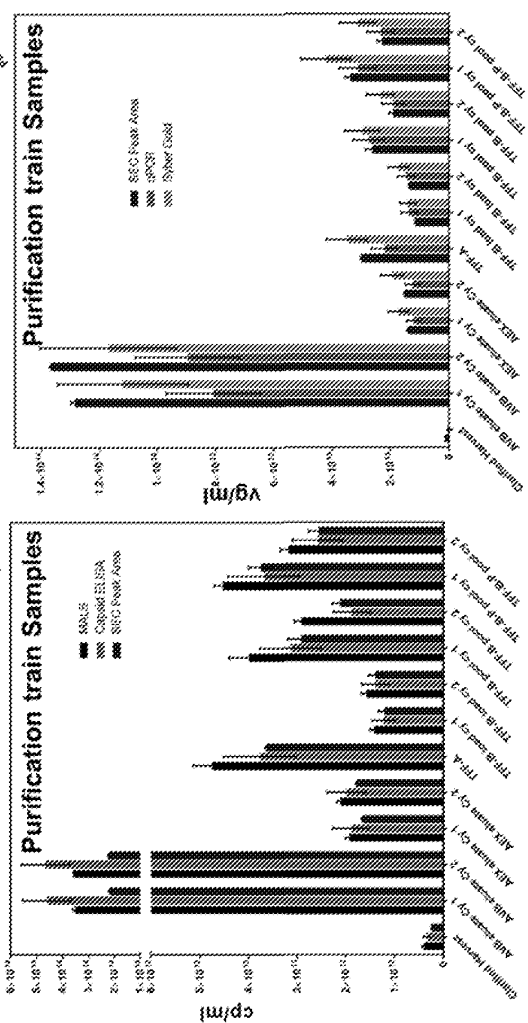


Fig. 20B

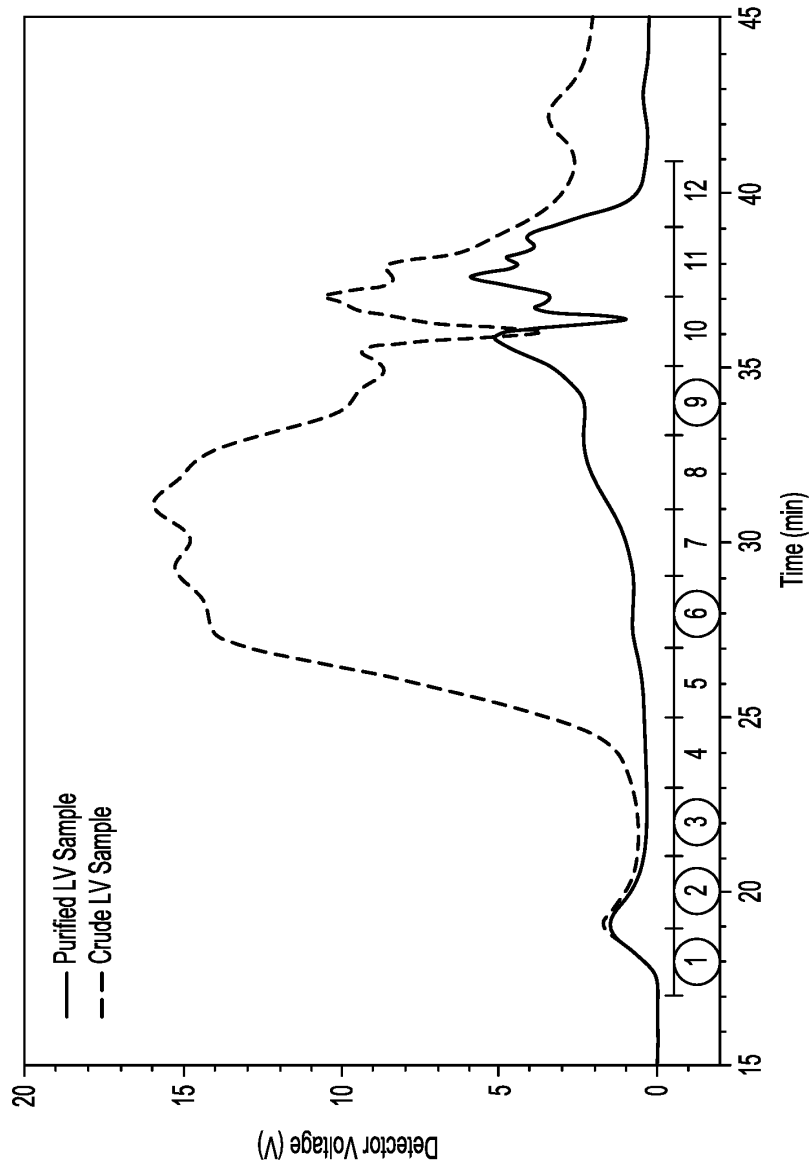


FIG.21

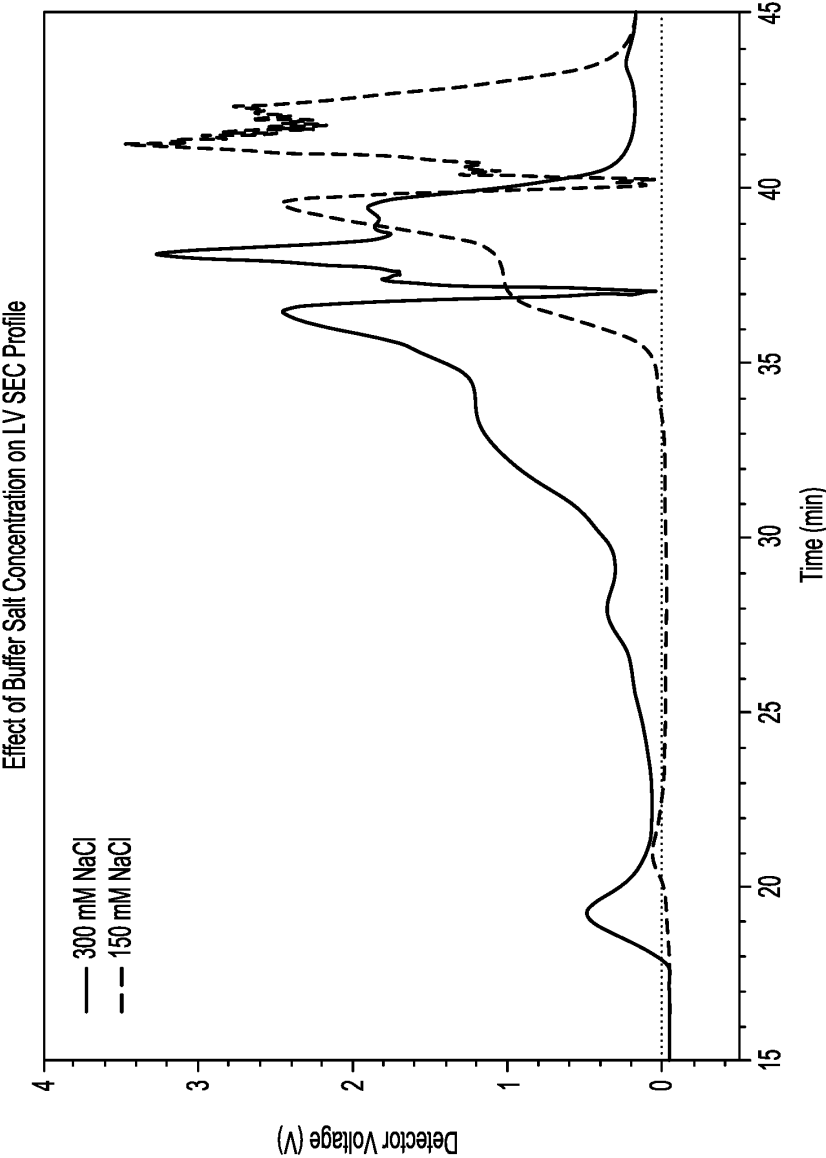


FIG.22

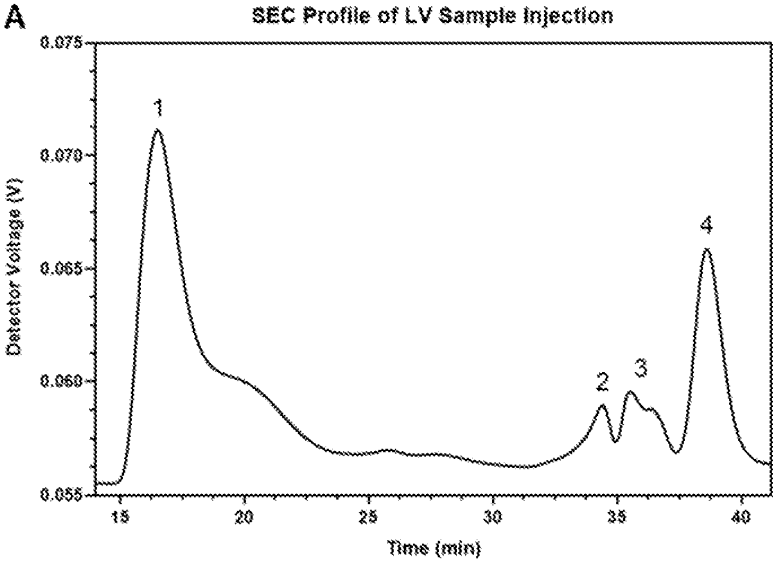


Fig. 23A

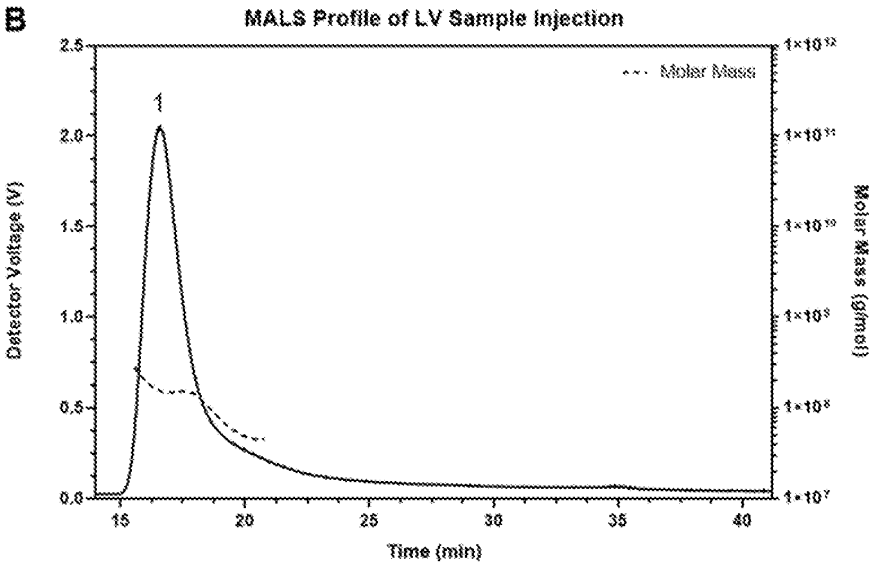


Fig. 23B

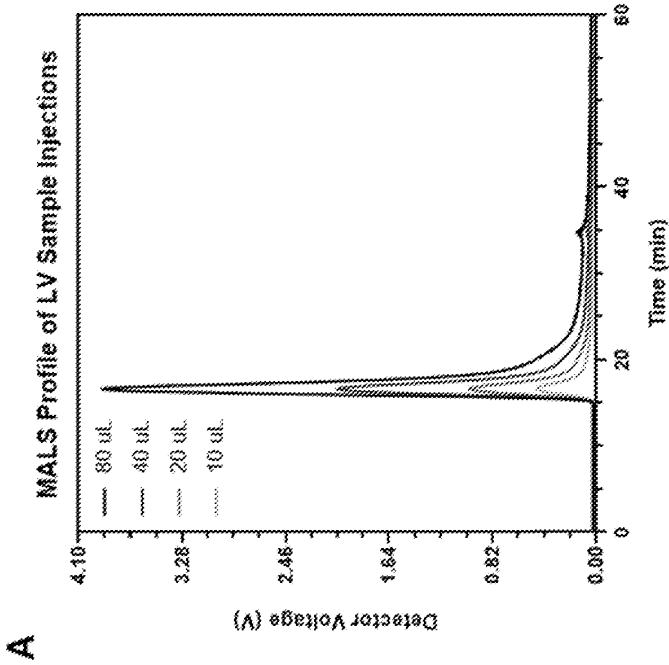


Fig. 24A

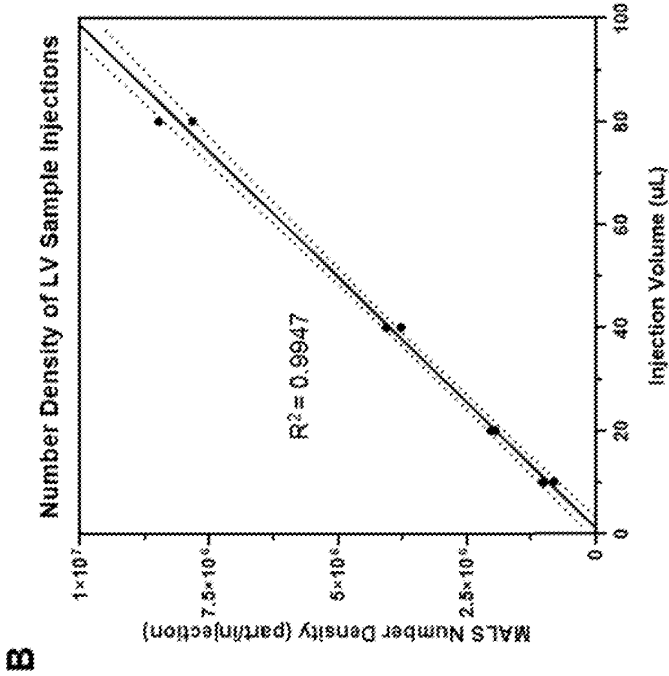


Fig. 24B

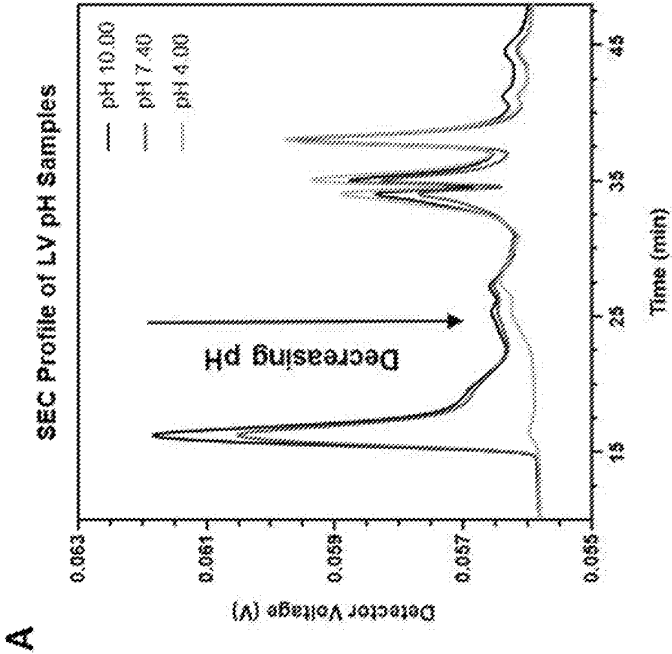


Fig. 25A

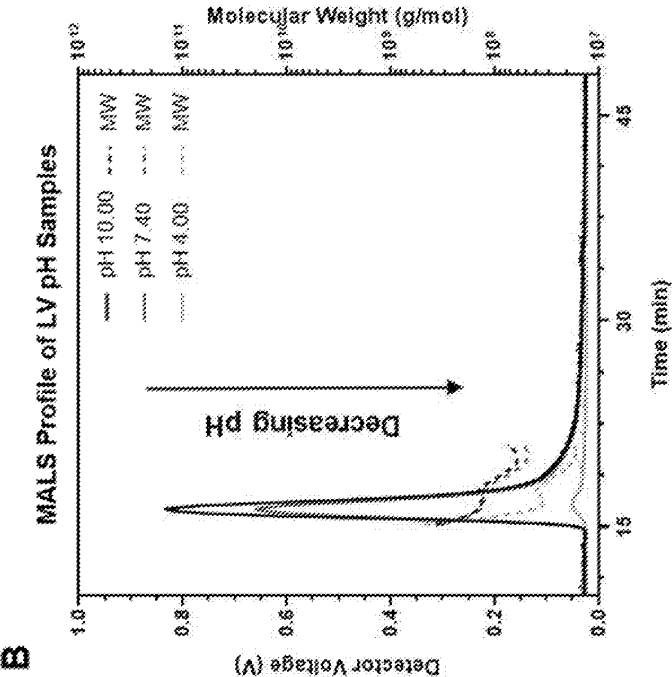


Fig. 25B

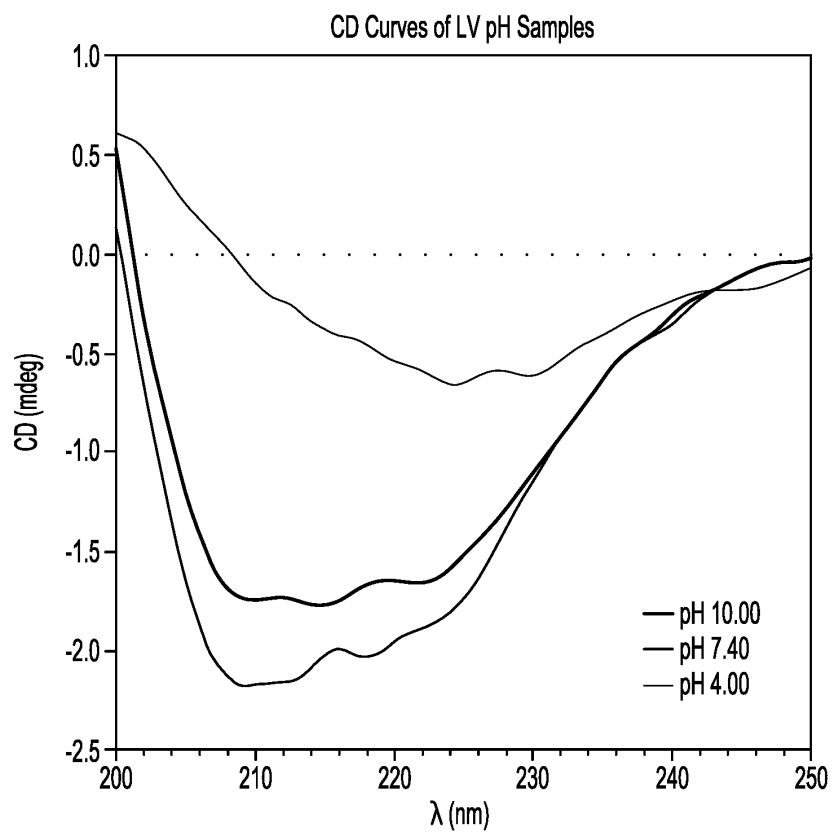


FIG.26

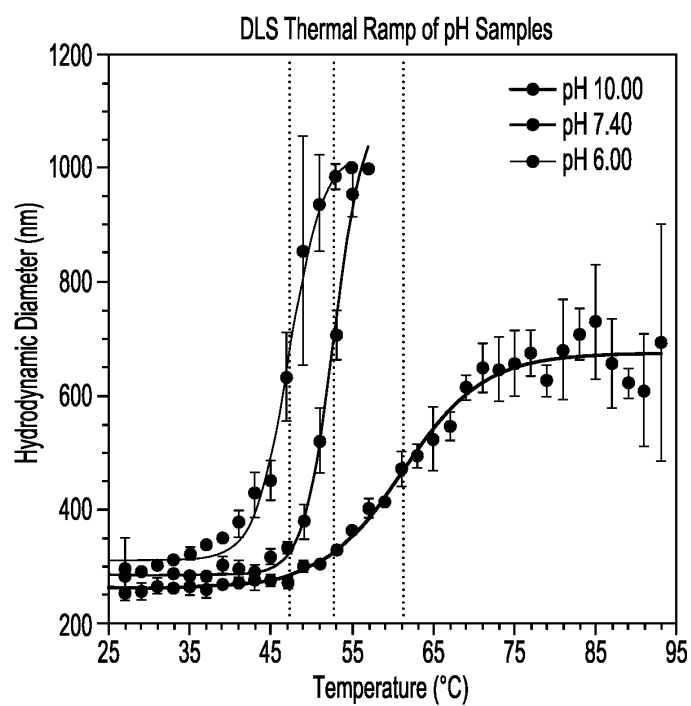


FIG.27A

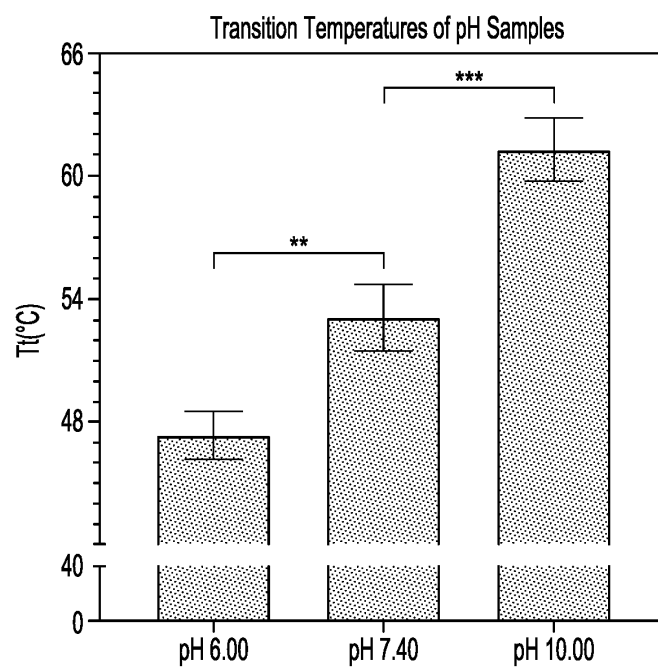


FIG.27B

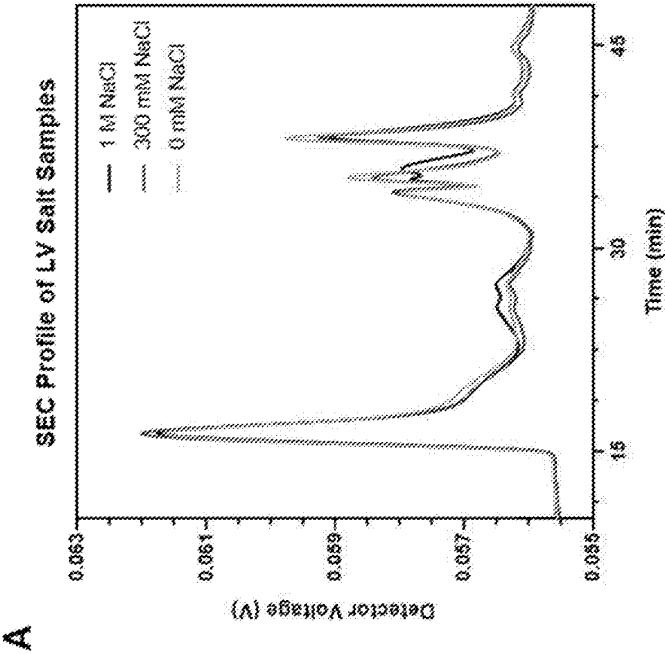


Fig. 28A

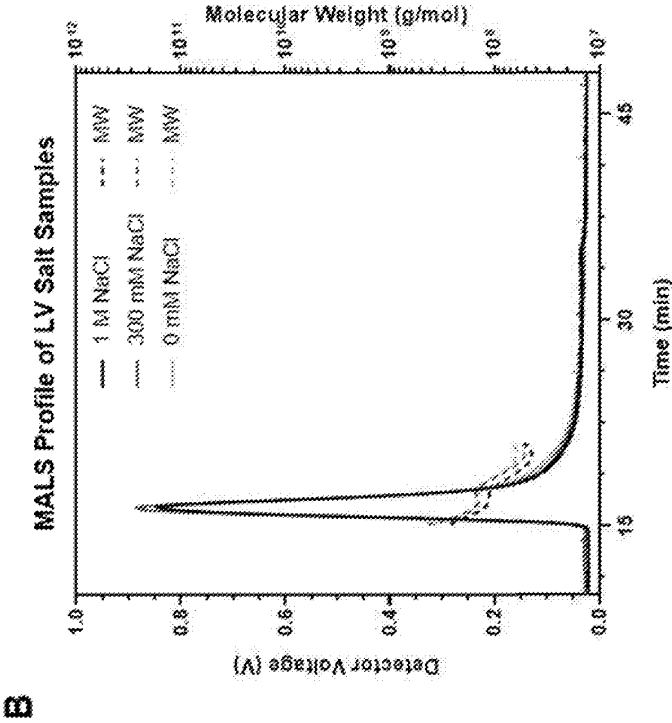


Fig. 28B

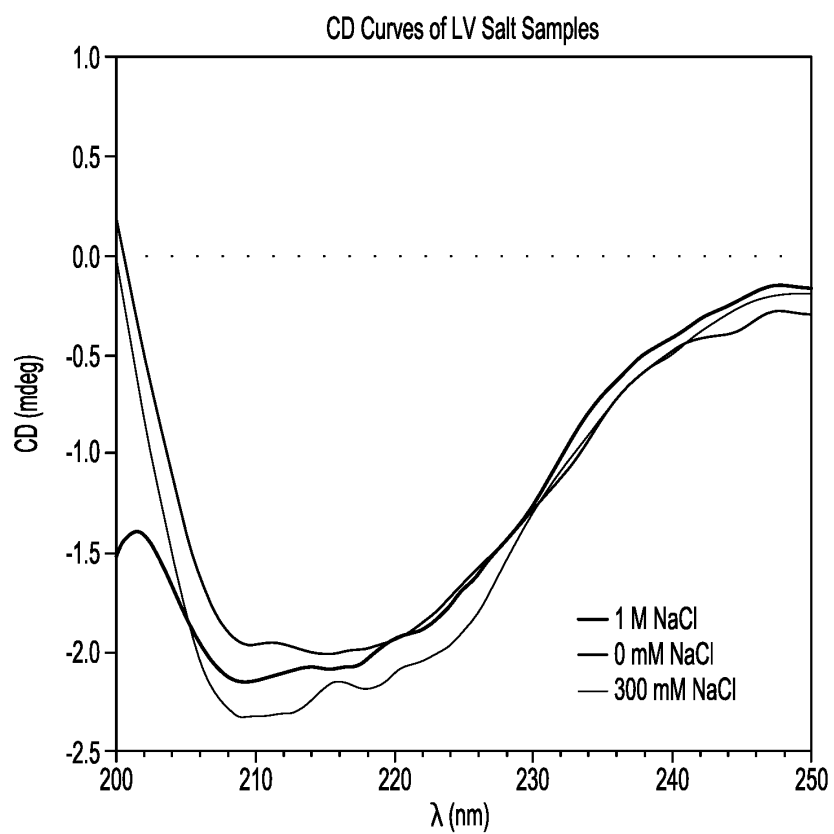


FIG.29

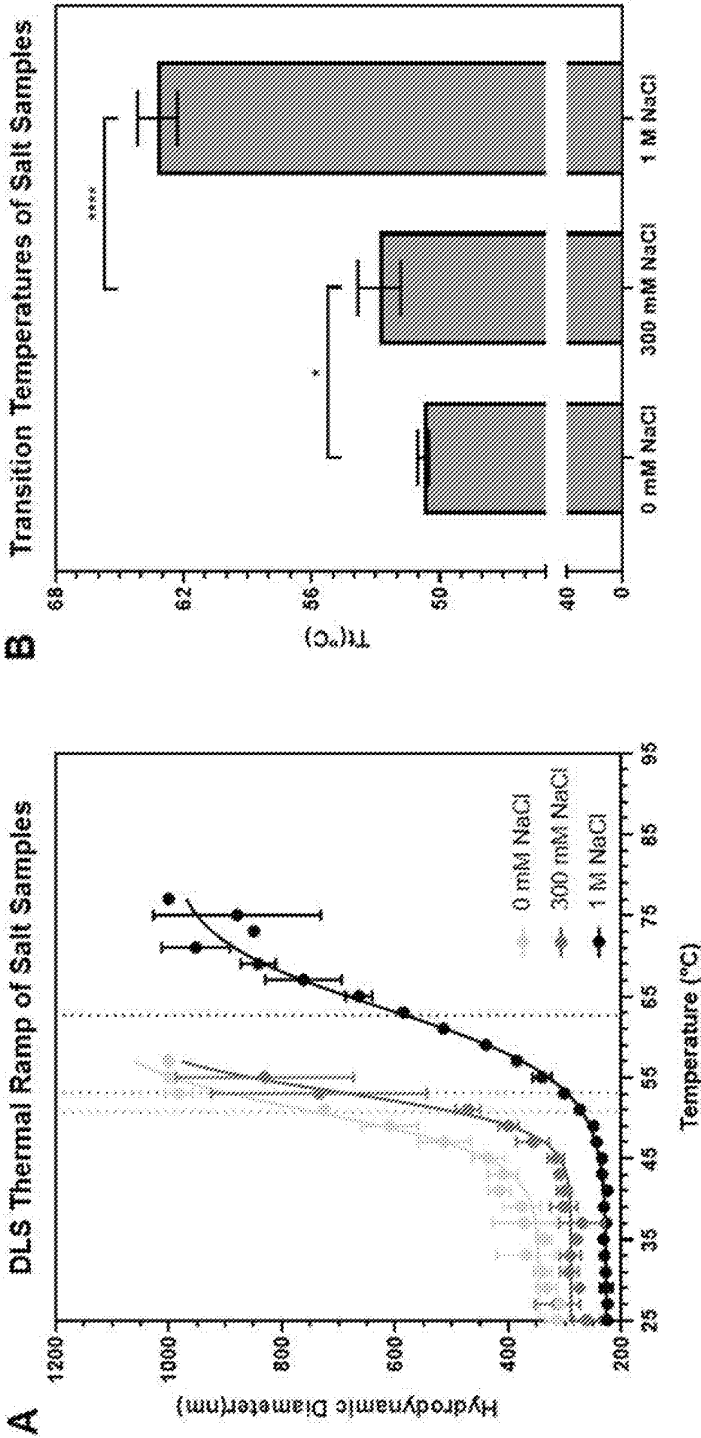


Fig. 30B

Fig. 30A

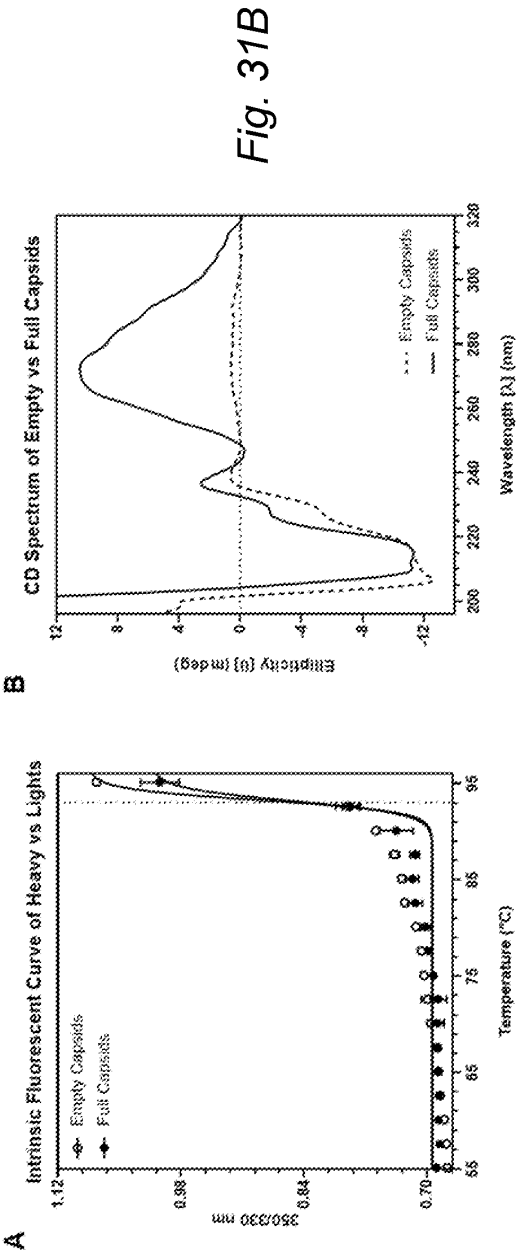


Fig. 31A

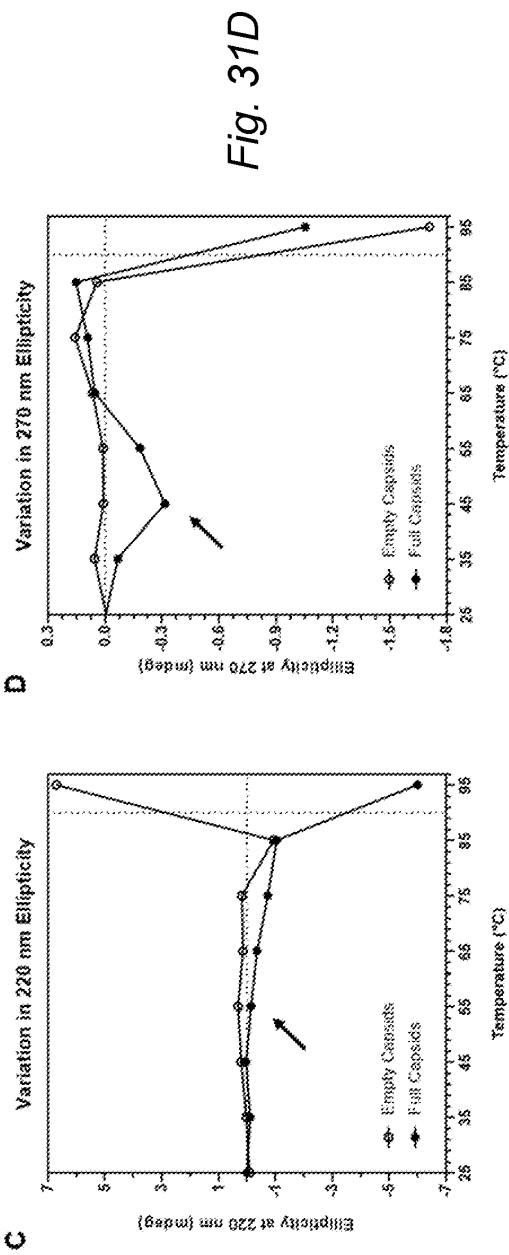
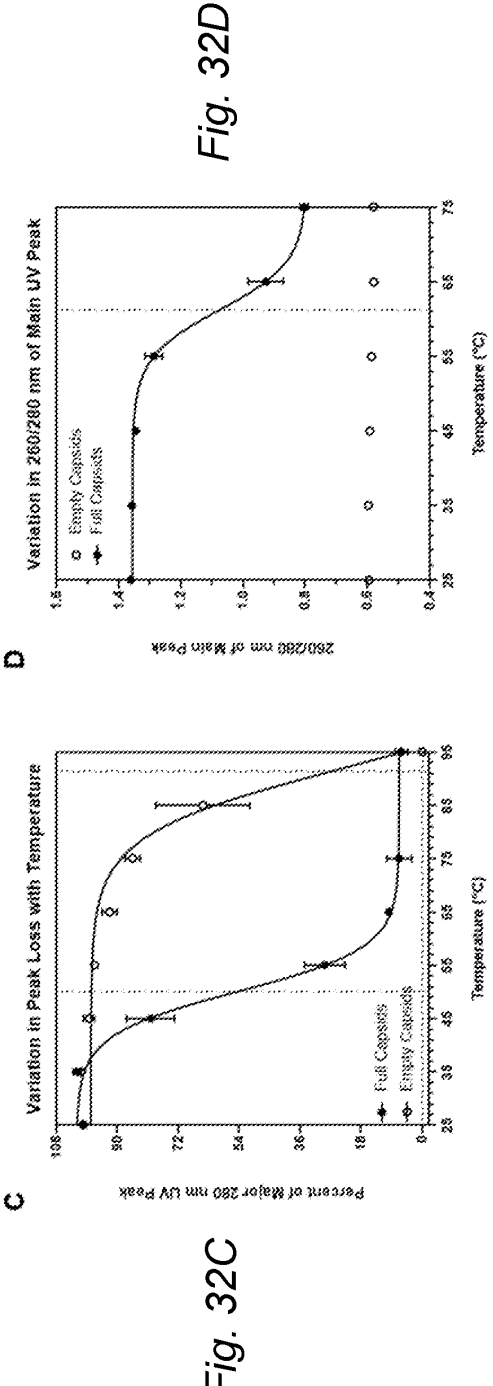
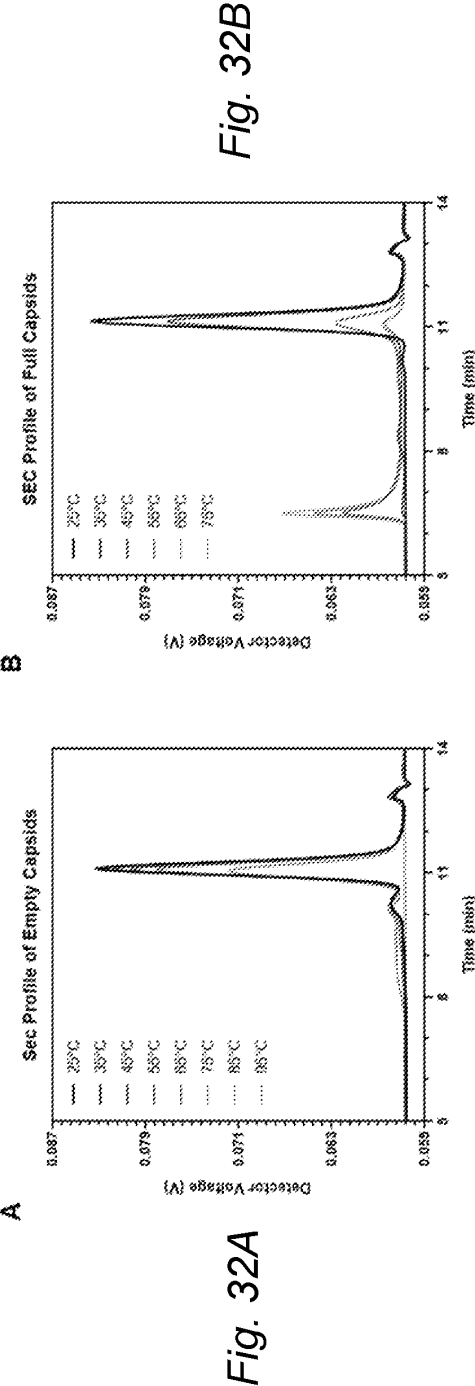


Fig. 31C

Fig. 31D

Fig. 31B



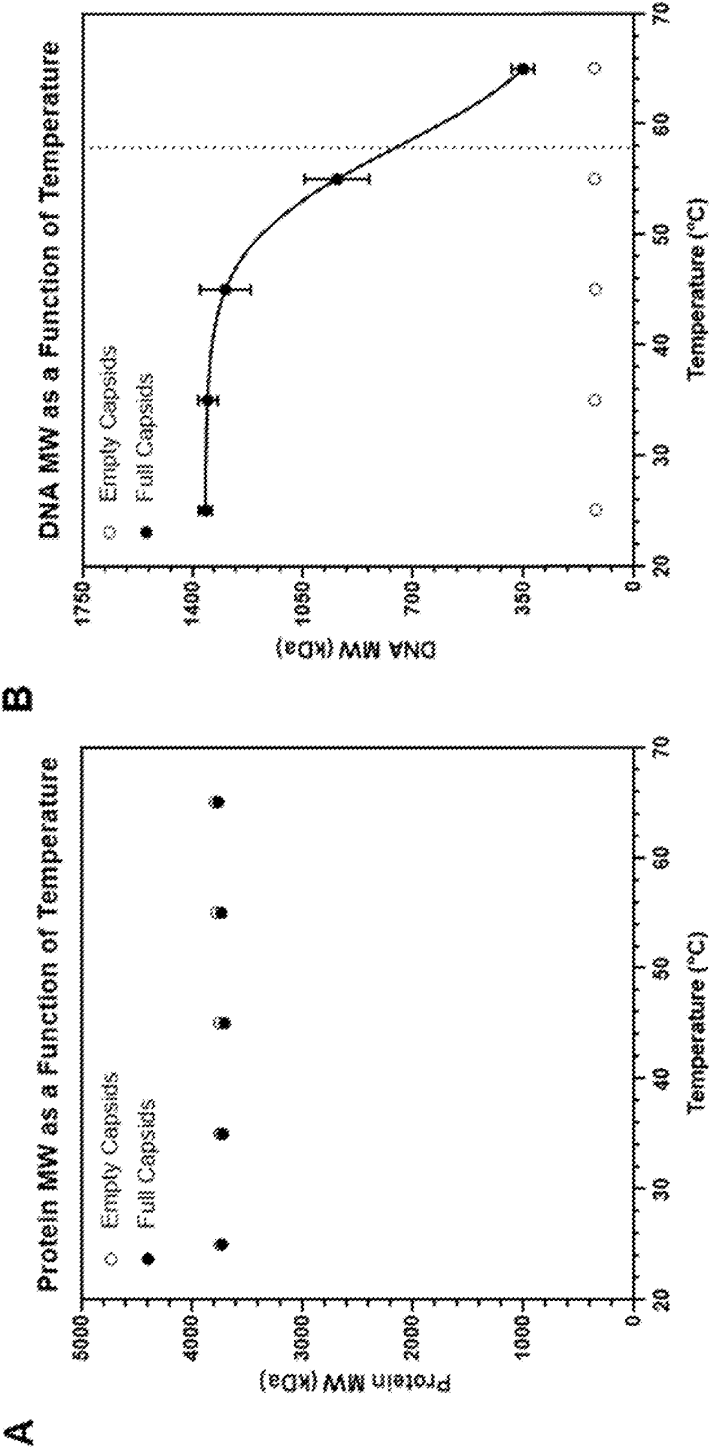


Fig. 33B

Fig. 33A

Fig. 34A

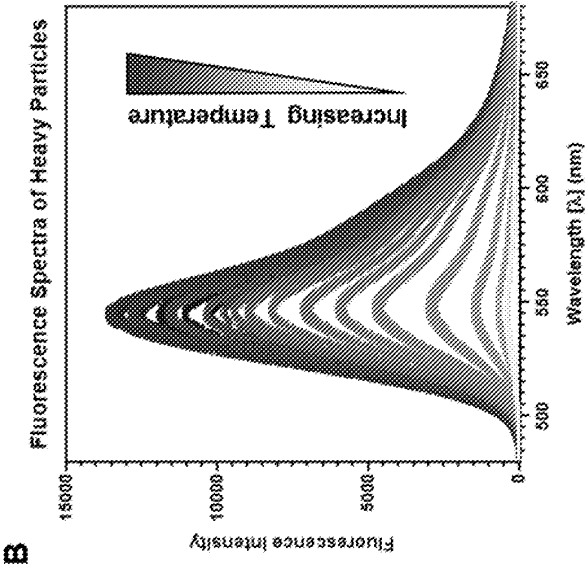
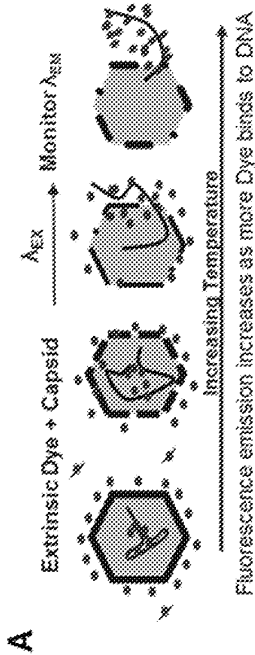


Fig. 34B

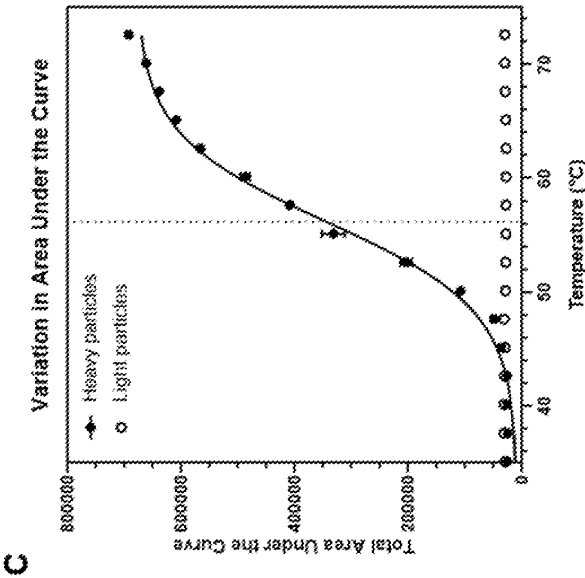


Fig. 34C

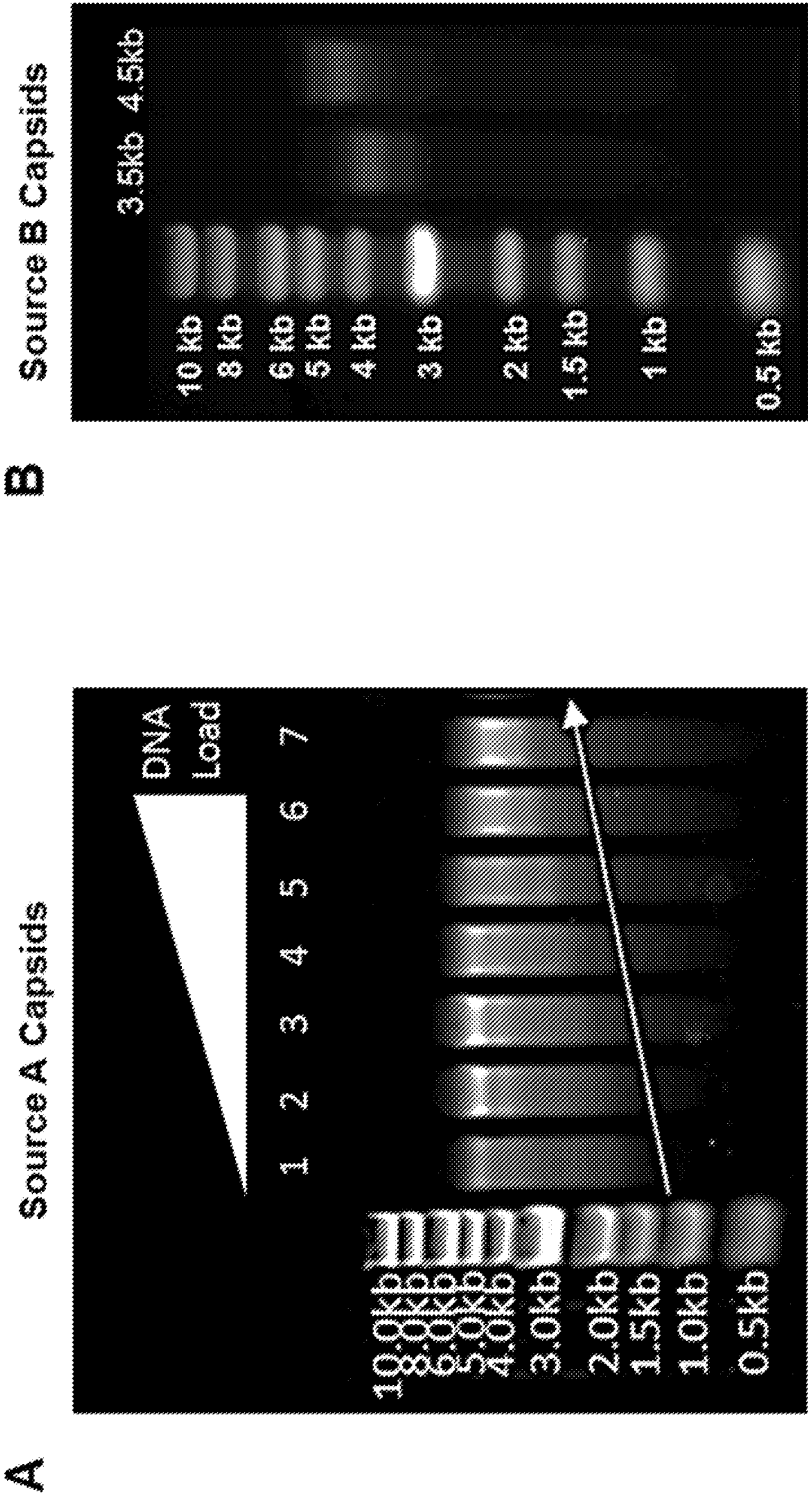


Fig. 35A

Fig. 35B

