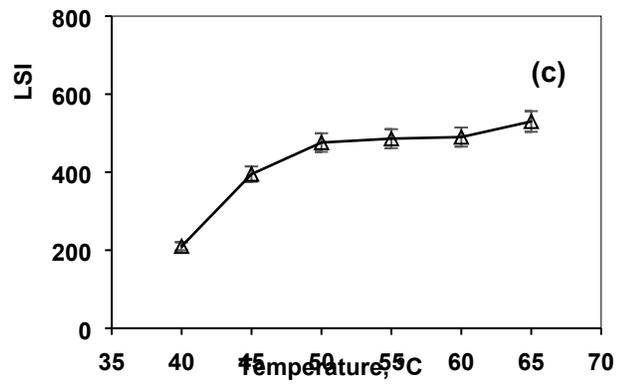
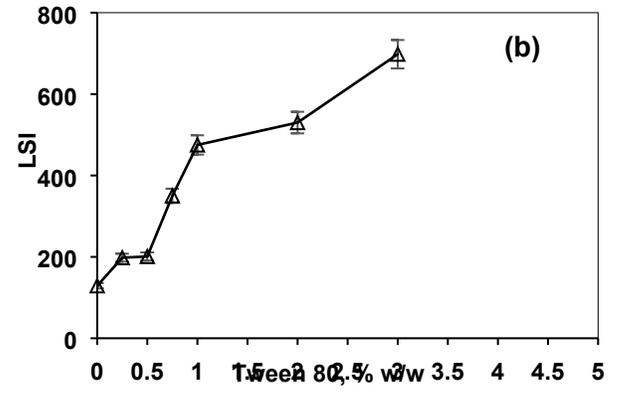
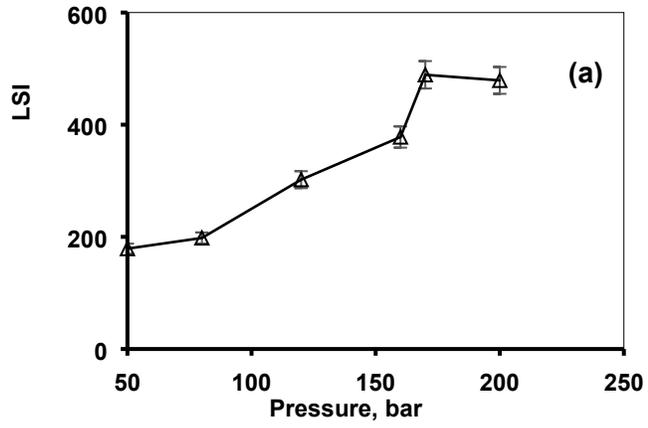


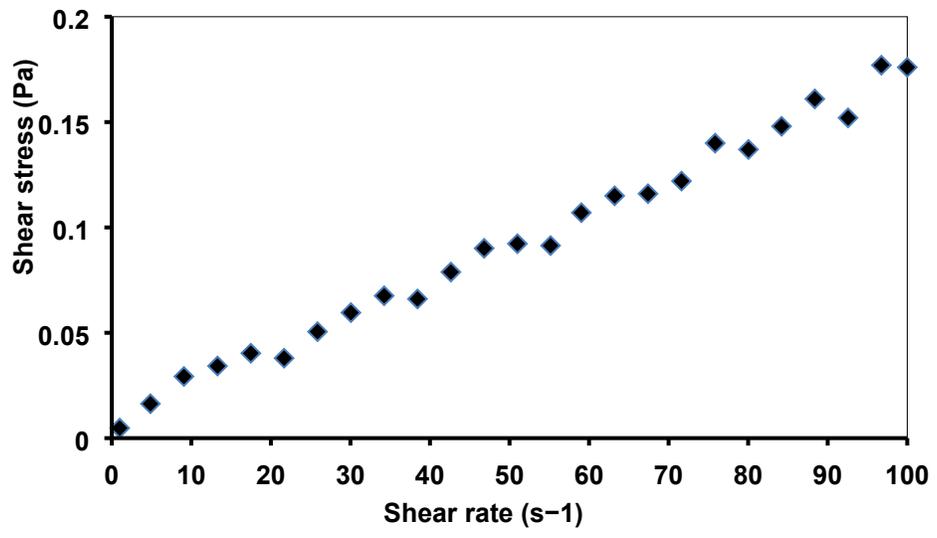
Supplementary Figures caption

- 1) S. Fig.1 Liposome stability index, a) Effect of pressure; b) Effect of surfactant (Tween 80) concentration; c) Effect of temperature.
- 2) S.Fig. 2 Flow behavior of Liposome prepared at 180 bar, 50 °C and 0.75% Tween 80.
- 3) S. Fig. 3 Regression of first order and Higuchi model to *in vitro* kinetic release data for CS nano-liposomes formulation.

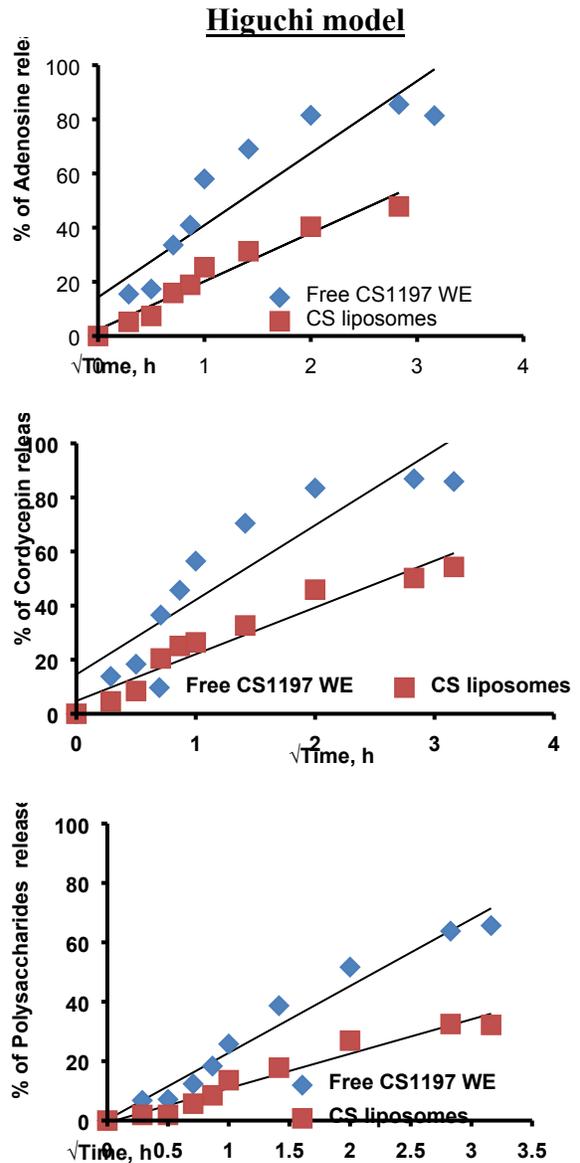
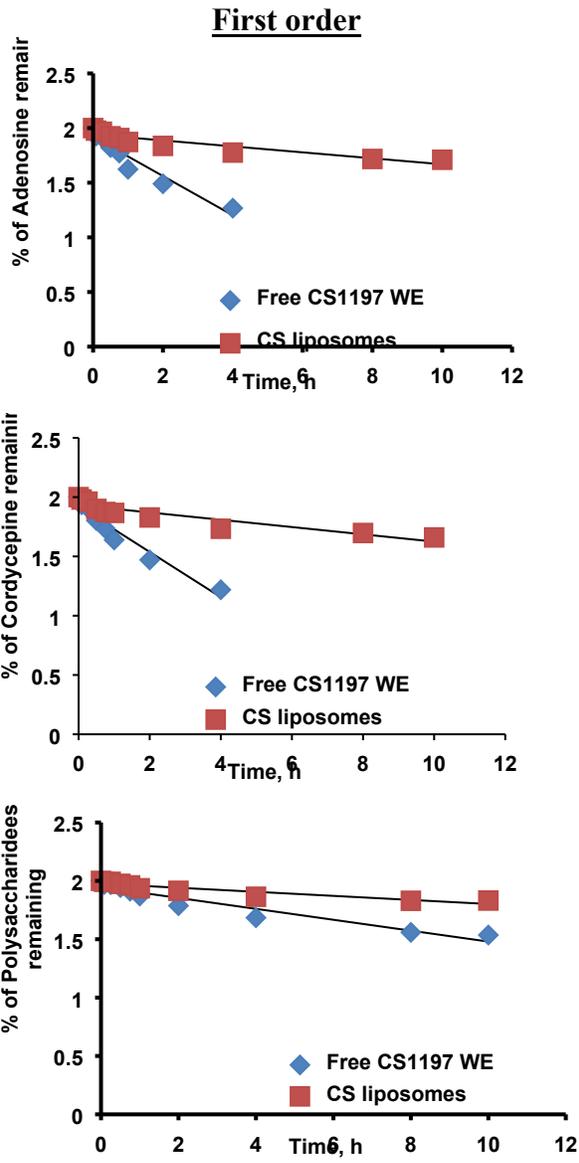
Supplementary Table

- 1) S.Table 1.





S.Fig.2



S. Fig. 3

S.Table 1. Effect of formulation conditions on viscosity of liposomes prepared by SC-GAS method.

P (bar)	C_u	Viscosity (mPa.s)	T (°C)	C_u	Viscosity (mPa.s)	T-80 %	C_u	Viscosity (mPa.s)
50	8.32 ± 0.013	1.32 ± 0.02	40	3.18 ± 0.012	1.39 ± 0.03	0	9.68 ± 0.014	1.16 ± 0.01
80	4.49 ± 0.011	1.39 ± 0.01	45	3.02 ± 0.010	1.36 ± 0.01	0.25	4.65 ± 0.012	1.23 ± 0.01
120	3.14 ± 0.013	1.49 ± 0.05	50	2.80 ± 0.015	1.58 ± 0.01	0.5	3.98 ± 0.014	1.56 ± 0.03
160	1.12 ± 0.012	1.68 ± 0.02	55	2.79 ± 0.012	1.59 ± 0.01	0.75	3.14 ± 0.011	1.54 ± 0.01
180	1.10 ± 0.011	1.79 ± 0.02	60	2.88 ± 0.010	1.53 ± 0.04	1	2.78 ± 0.013	1.59 ± 0.01
200	1.19 ± 0.012	1.78 ± 0.01	65	2.98 ± 0.018	1.55 ± 0.05	2	2.70 ± 0.012	1.60 ± 0.02
						3	2.85 ± 0.009	1.92 ± 0.01

T – Temperature; P – Pressure; T-80 – Tween 80.