

Green synthesized mesoporous silica nanoparticles offer a promising drug delivery system investigated in physiologically relevant 3D microfluidic models

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Supplementary Data:

Table 1. statistical analysis of Dox loaded RMSN compared with unloaded RMSN as a control

NP.	Dox Concentration (µg/mL)	Incubation Time (hr)	P-value	Sign
RMSN	0.08	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	0.4	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	2	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	5	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	10	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	20	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	30	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	50	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****

Table 2. Statistical analysis of Dox loaded RMSN compared with unloaded HMSN as a control

NP.	Dox Concentration ($\mu\text{g/mL}$)	Incubation Time (hr)	P-value	Sign
HMSN	0.08	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	0.4	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	2	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	5	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	10	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	20	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	30	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****
	50	24	<0.0001	****
		48	<0.0001	****
		72	<0.0001	****