

## **Supporting Information**

for

## Curcumin-loaded albumin submicron particles with potential as a cancer therapy: an in vitro study

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## Additional experimental data

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Particle	Size			Zeta potential	
	Z-Average Size (nm)	PDI	ZP (mV)	Mob (µm∙cm/V∙s)	Cond (mS/cm)
HSA-MPs	$888.88\pm64$	$0.3\pm0.14$	$-14.50\pm0.6$	$-1.12 \pm 0.05$	$18.38\pm0.18$
CUR-HSA-MPs	$983.57\pm82$	$0.31\pm0.13$	$-15.34\pm0.2$	$-1.21\pm0.01$	$18.10\pm0.07$

<sup>a</sup>Data are presented as mean  $\pm$  SD (n = 3); conductivity (Cond), electrophoretic mobility unit (Mob), polydispersity index (PDI), and zeta potential (ZP).



**Figure S1:** Cellular uptake of CUR at 4 h in MCF-7 cell (A), free CUR (B), FITC-HSA-MPs (C), FITC-CUR-HSA-MPs in MCF-7 cell using fluorescence microscopy. A and B show fluorescent images of non-treated and free curcumin-treated samples to verify the presence of cell autofluorescence. C and D show the uptake of microparticles, which can be seen the fluorescence is diffused throughout the cytoplasm.