Supporting Information

Cell-tailored calcium carbonate particles with different crystal forms from nanoparticle to nano/microsphere

Yi Chang,[a] Huijuan Han,[b] Tingting Liu,[a] Shibao Yuan[b], Shuting Chen[a], Yuming Guo*[b], Lin Yang[a] and Xiaoming Ma*[a]

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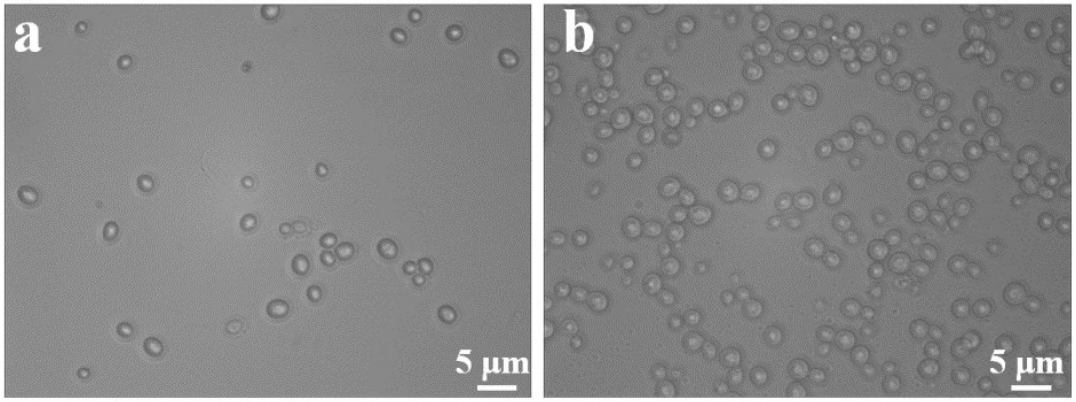

Figure S1 The light micrographs of yeast cells before and after proliferation.

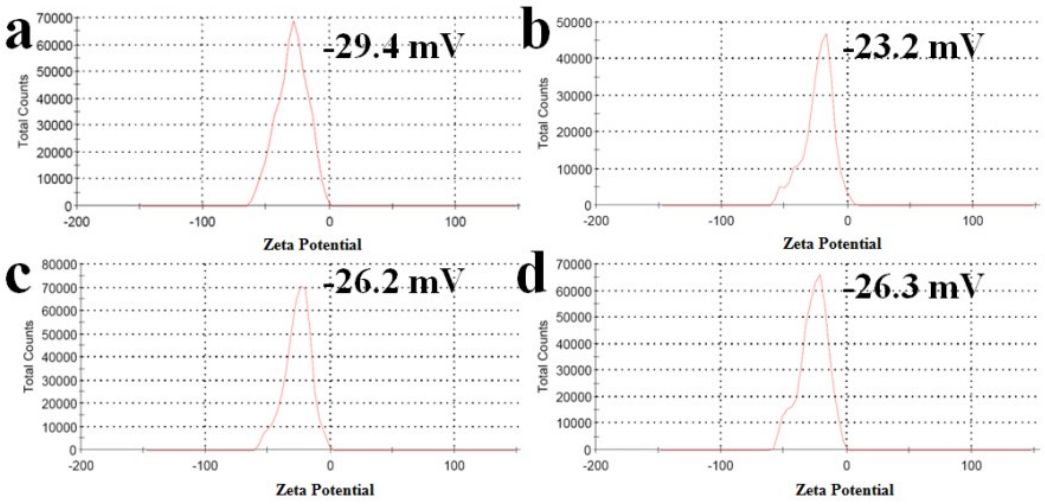

Figure S2 The zeta potentials of the YC-$CaCO_3$ NPs with different sizes (from a to d corresponds to the size of 2.3 nm, 3.9 nm, 6.2 nm and 12.2 nm of YC-$CaCO_3$ NPs, respectively)

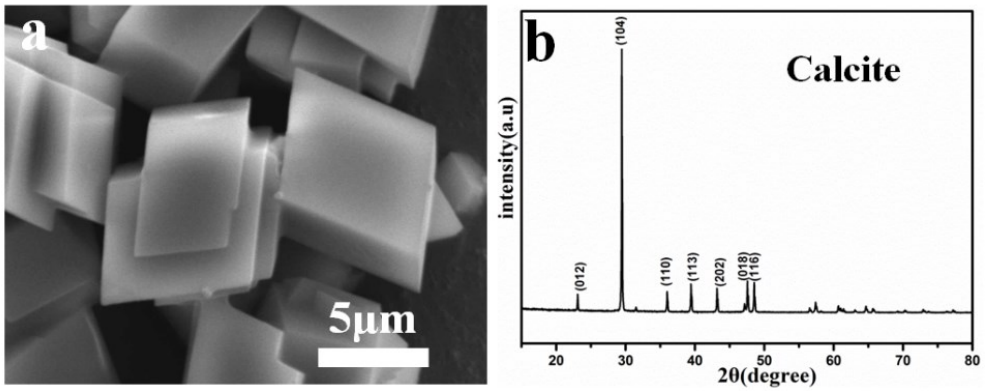

Figure S3 The SEM and XRD of the $CaCO_3$ synthesized in the distilled water.

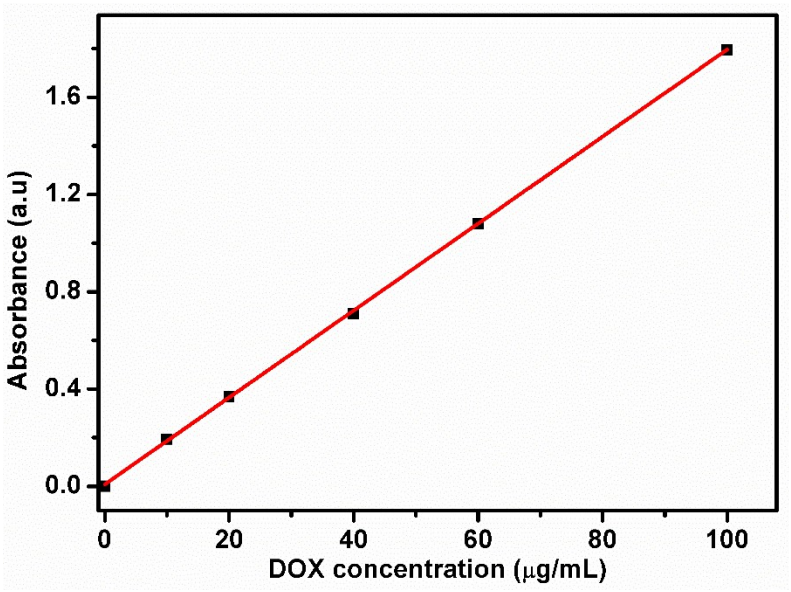

Figure S4 Absorbance at 480 nm vs. free DOX concentration (optical path = 1 cm). Solid line is the liner fit using the analysis tool in Origin software and the $R^2 = 0.9999$.

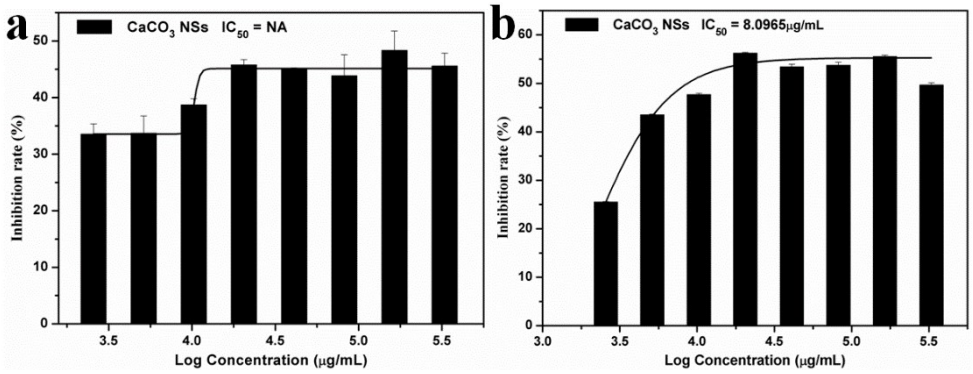

Figure S5 The anti-proliferation effects of the YC-$CaCO_3$ NSs on V79-4 normal cells (a) and HeLa cells (b), respectively. Each bar represents the mean ± S.D. NA: not available.