Supporting information

Yeast Cell Route: A Green and Facile Strategy for Biosynthesis of Carbonate Nanoparticles

Yi Chang, Shuting Chen, Tingting Liu, Peng Liu, Yuming Guo, Lin Yang and Xiaoming Ma*

a. Key Laboratory of Green Chemical Media and Reactions, Ministry of Education, School of Chemistry and Chemical Engineering, Henan Normal University, Xinxiang, Henan 453007, P. R. China

b. Collaborative Innovation Center of Henan Province for Green Manufacturing of Fine Chemicals,

** To whom correspondence should be addressed. e-mail: mxm@htu.edu.cn*

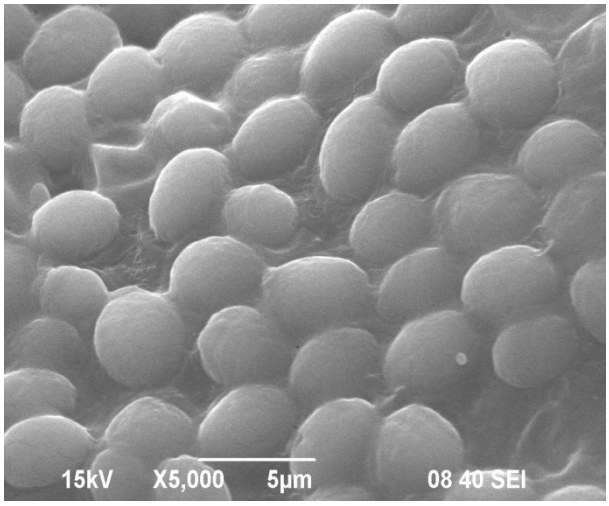

Fig. S1 SEM image of the native yeast cells.

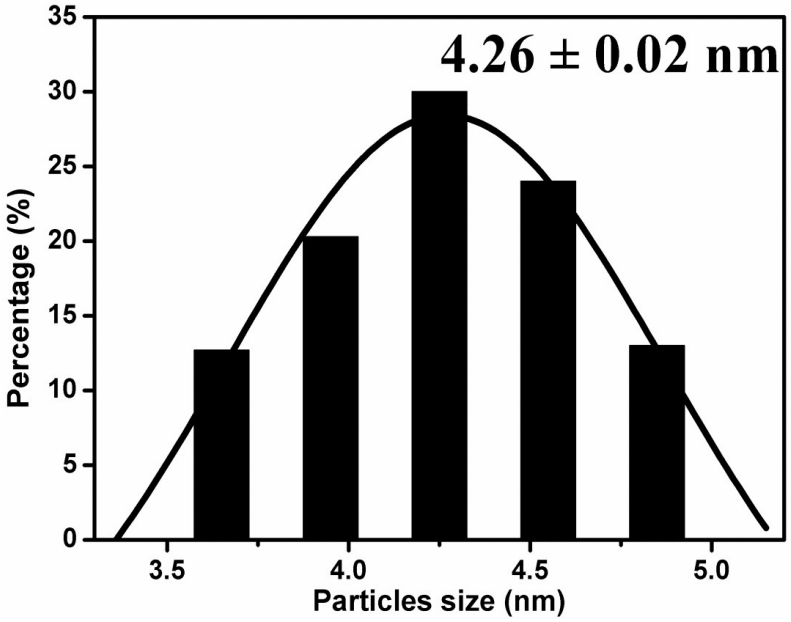

Fig. S2 The particle size histograms recorded from representative isolated $BaCO_3$ nanoparticles.

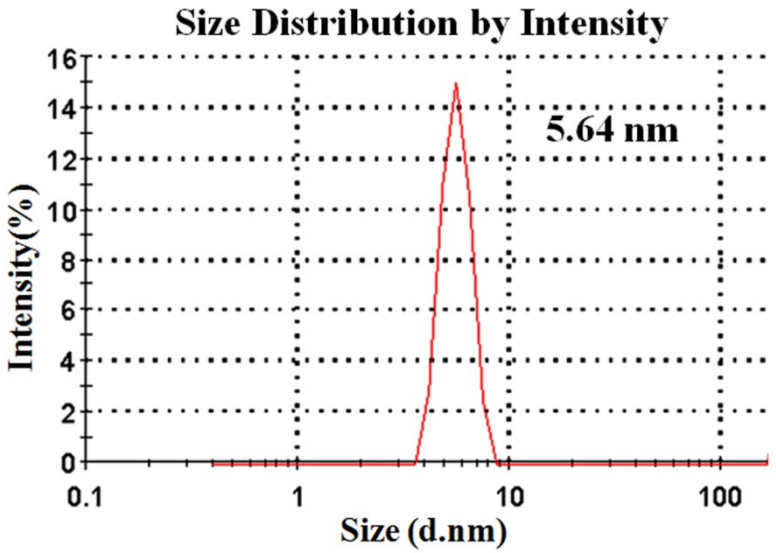

Fig. S3 DLS size distribution of isolated $BaCO_3$ nanoparticles.

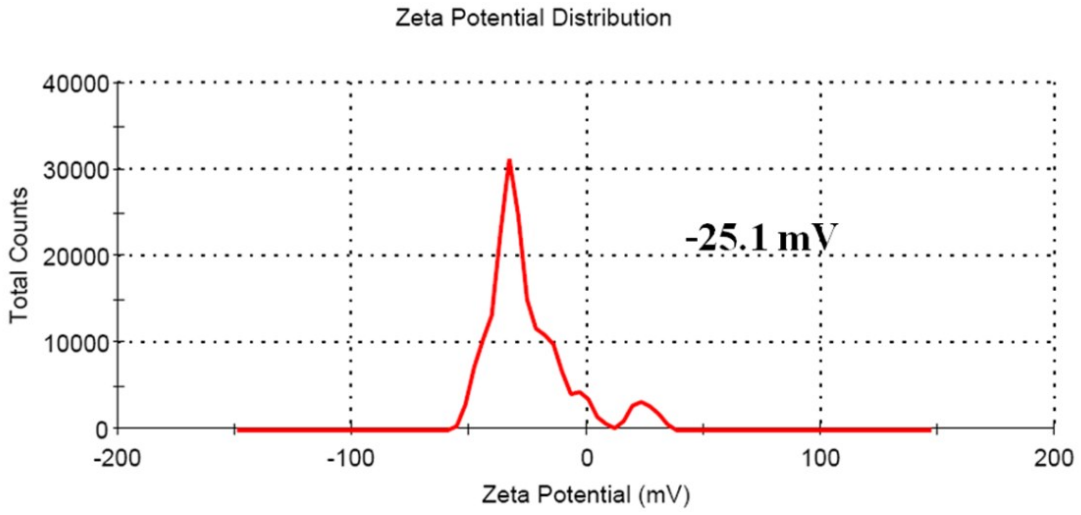

Fig. S4. Zeta potential of isolated $BaCO_3$ nanoparticles dispersion in PBS.

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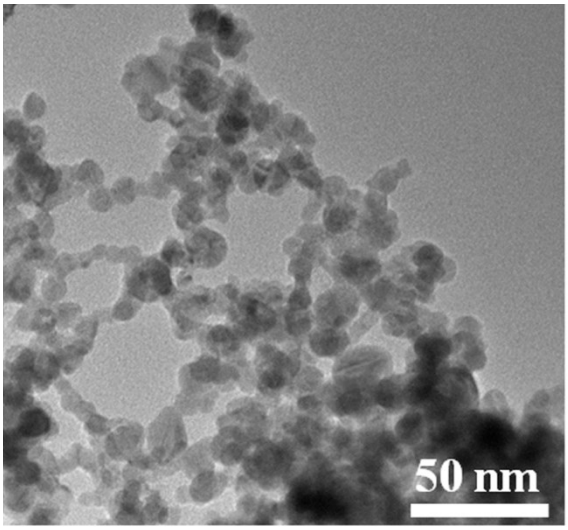

Figure S5. TEM micrographs of isolated $nBaCO_3$ prepared in the absence of cells.

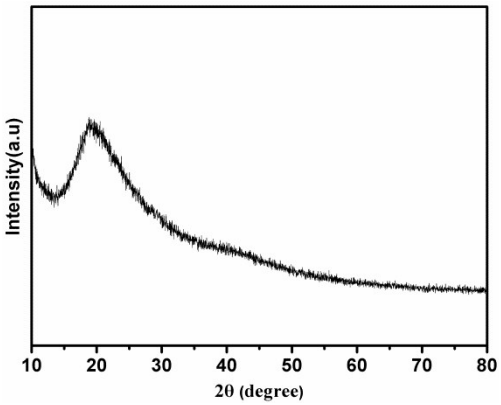

Fig. S6. XRD pattern of the whole yeast cells with intracellular $nBaCO_3$.

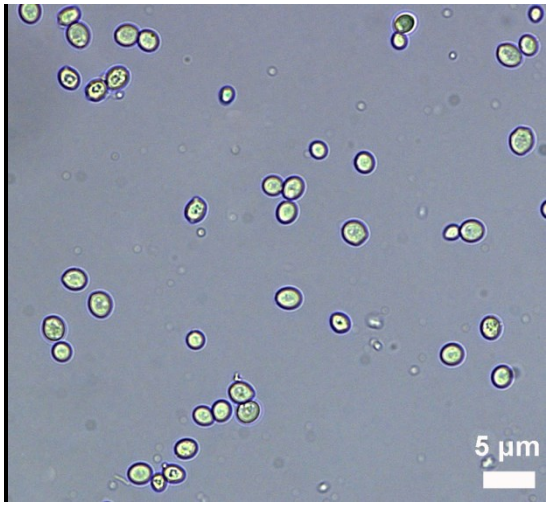

Fig. S7. Light micrograph of the control *S. cerevisiae* cells stained by trypan blue.