Electronic Supplementary Material (ESI) for Soft Matter.

Comparison of different zinc precursors for the construction of zeolitic imidazolate framework-8 artificial shells on living cells

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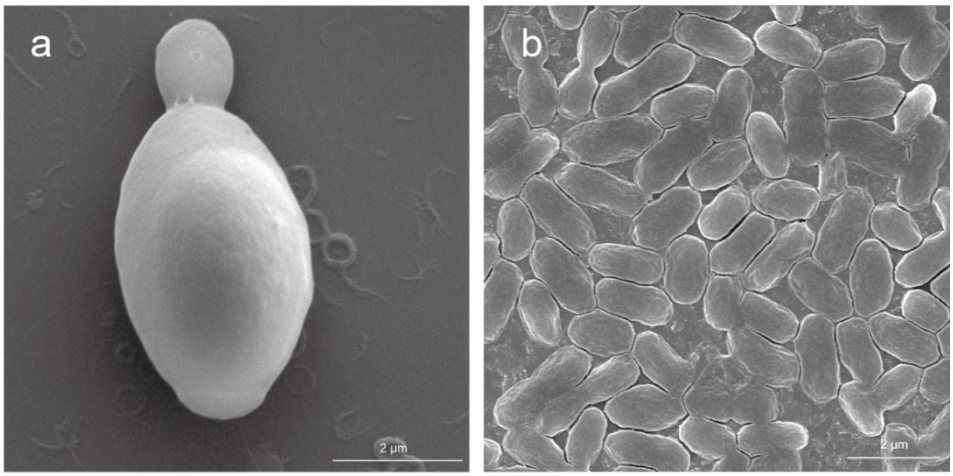

Fig. S1 SEM image of (a) native yeast cell and (b) native *E.coli* cells.

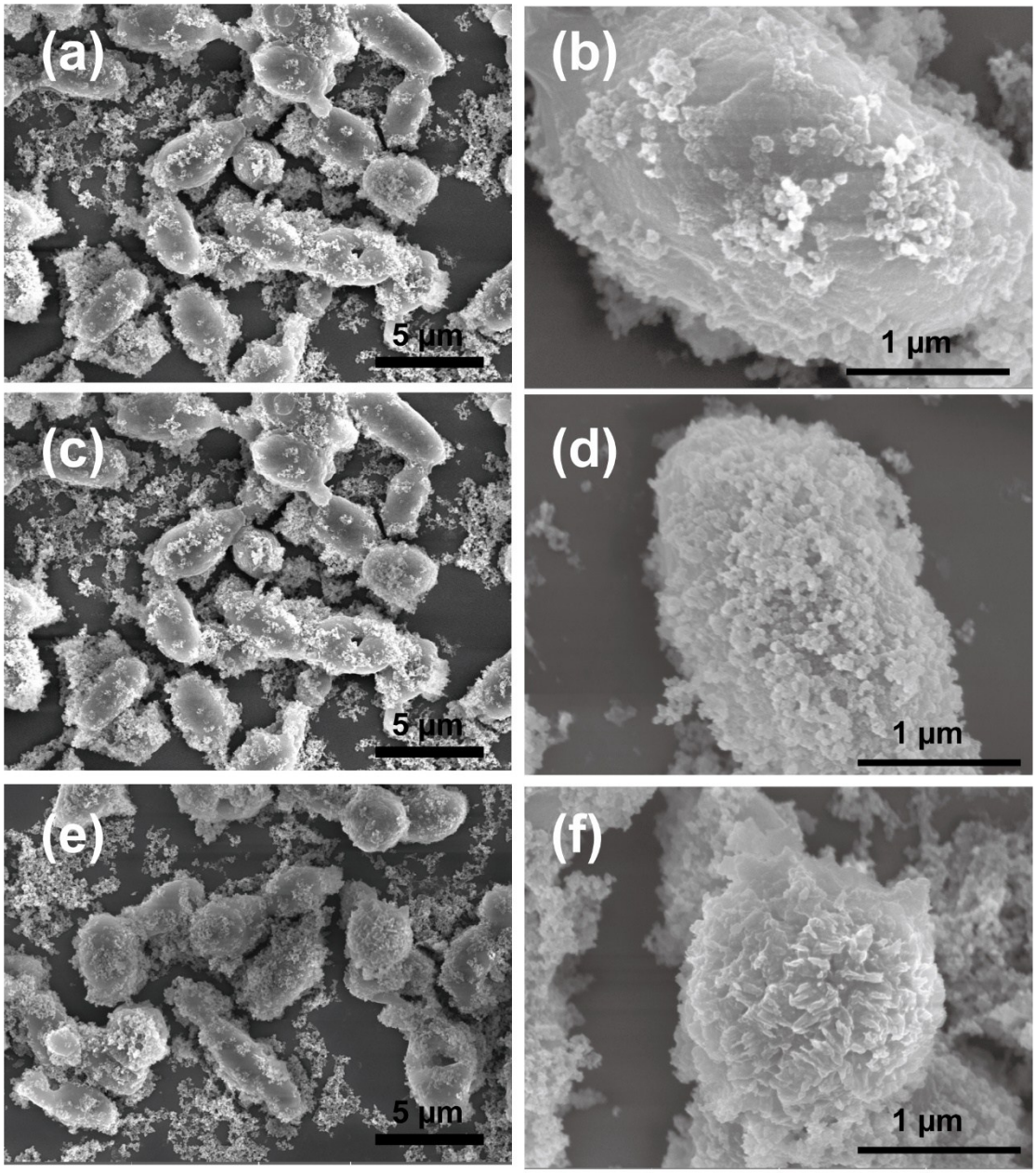

Fig. S2 SEM images of ZIF-8 coated yeast cells with different zinc salts precursors with different magnification: (a) and (b) yeast@ZIF-8-n, (c) and (d) yeast@ZIF-8-s, (e) and (f) yeast@ZIF-8-a.

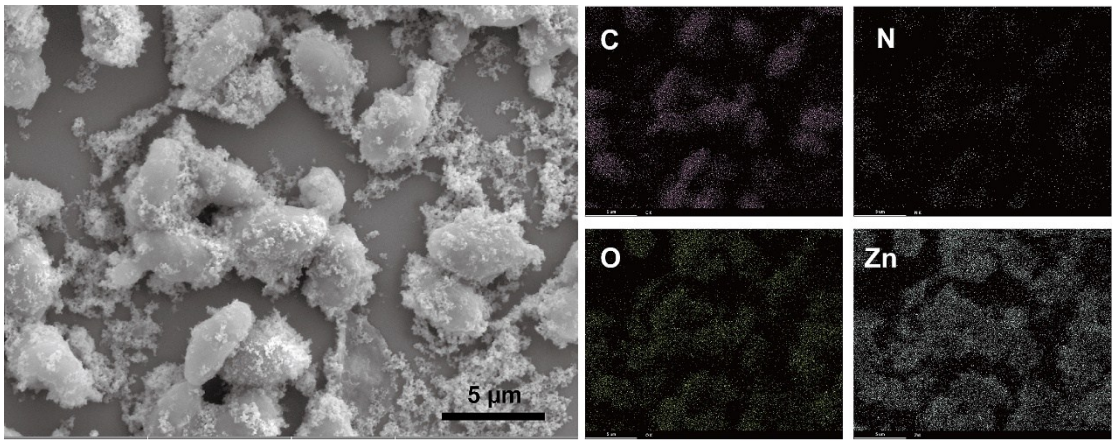

Fig. S3 EDS mapping of yeast@ZIF-8-n.

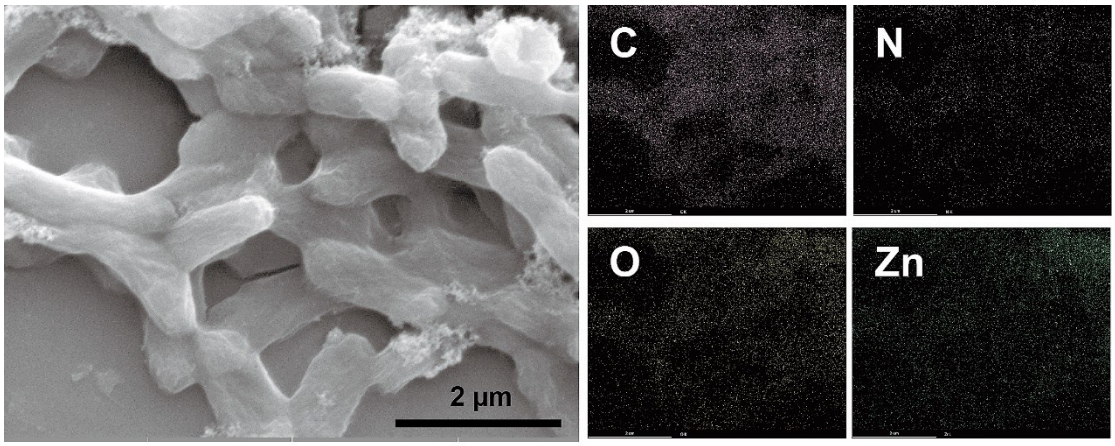

Fig. S4 SEM image and EDS mapping of *E.Coli*@ZIF-8.

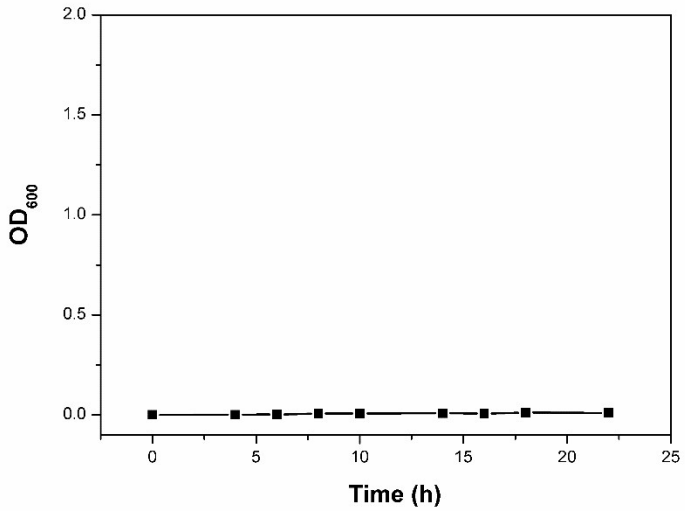

Fig. S5 OD_{600} *v.s.* YM medium (yeast culture medium).

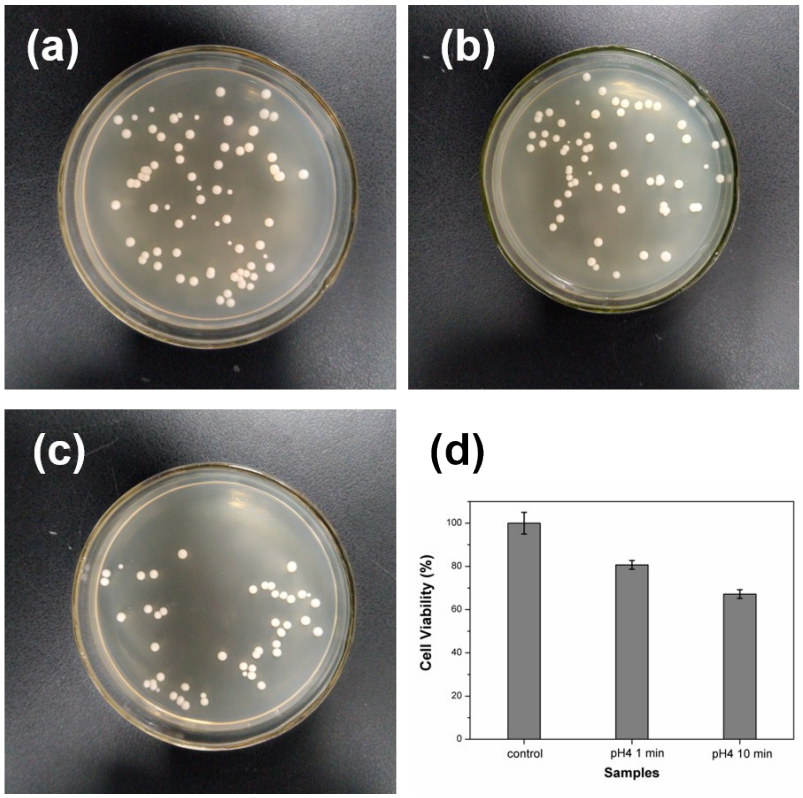

Fig. S6 Photographs of agar plates onto which yeast treated with pH 4 buffer for different time: (a) 0 min, (b) 1 min, and (c) 10 min. (d) Cell viability of yeast when treated with pH 4 buffer.