

## Supporting information

# Relationship between dissolution behavior and toxicity of silver nanoparticles on zebrafish embryo in different ionic environments

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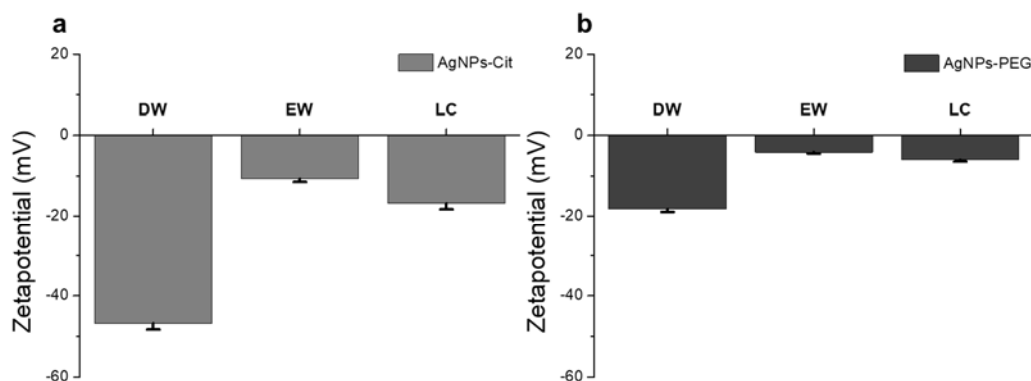
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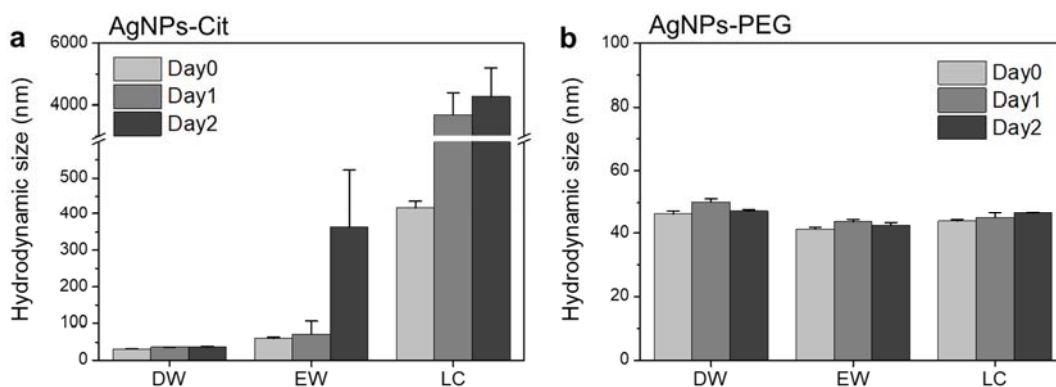
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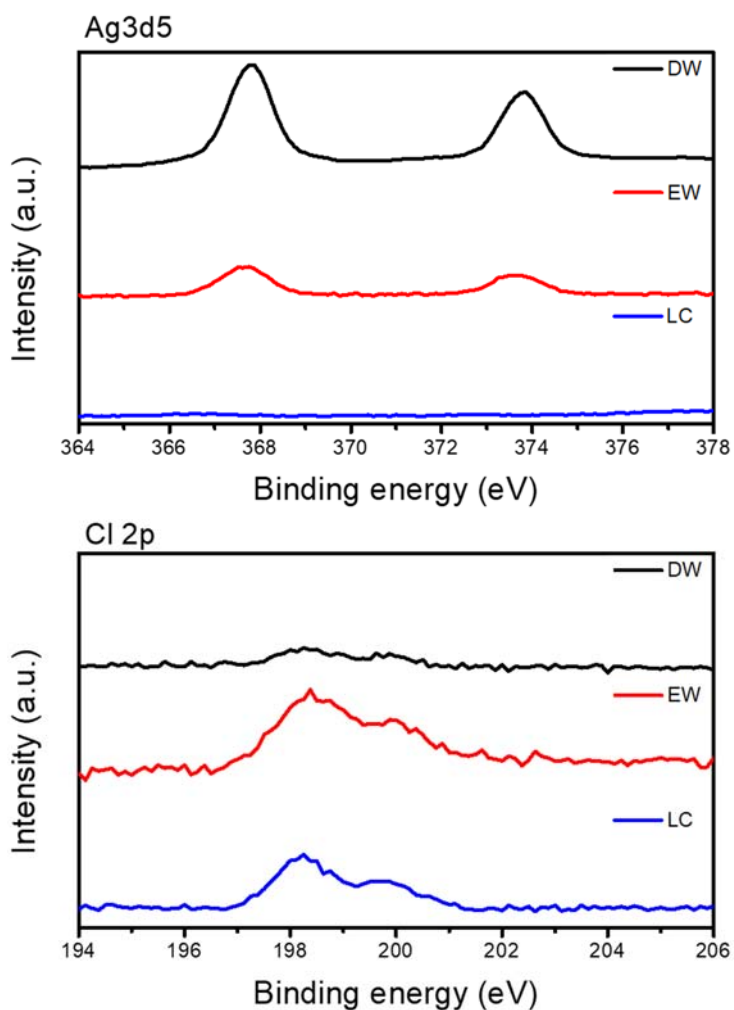
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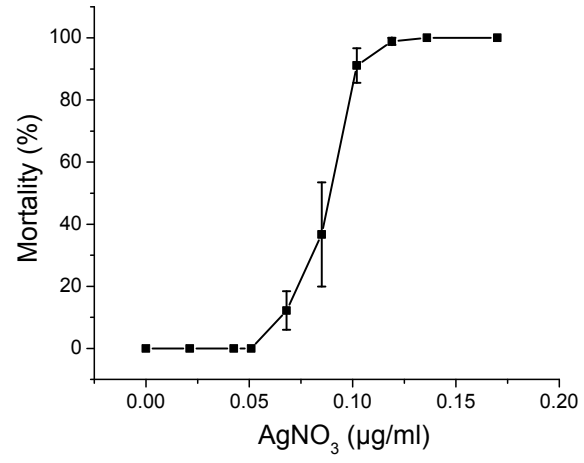
**Figure S1.** Zeta potential of AgNPs-Cit (a) and AgNPs-PEG in distilled water (DW), E3 egg water (EW), and low chloride (LC) medium. The particles were consistently dispersed at same concentration (5  $\mu\text{g}/\text{mL}$ ) in each medium.



**Figure S2.** Hydrodynamic size of citrate-stabilized (a) AgNPs-Cit and (b) AgNPs-PEG in DW, EW, and LC medium. The particles were consistently dispersed at same concentration ( $5 \mu\text{g/mL}$ ) in each medium.



**Figure S3.** XPS analysis of AgNPs-Cit in different medium (DW, EW, and LC) after 1 day.



**Figure S4.** Mortality of  $\text{AgNO}_3$  -treated zebrafish embryos in LC medium.