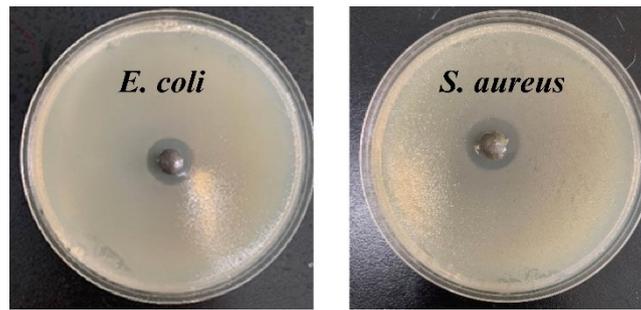


## Supplementary material



**Figure S1.** Inhibition zone of Ag-CTS composite against *E. coli* and *S. aureus*.

**Table S1.** Polymer dispersity index (PDI) of Ag-CTS composite colloid with different reducing agents.

Reducing agents	PDI
Control	0.32
Glycerol	0.27
Sodium citrate	0.42
Sodium borohydride	0.20