

Supporting Information

An engineered reporter phage for the fluorometric detection of *Escherichia coli* in ground beef

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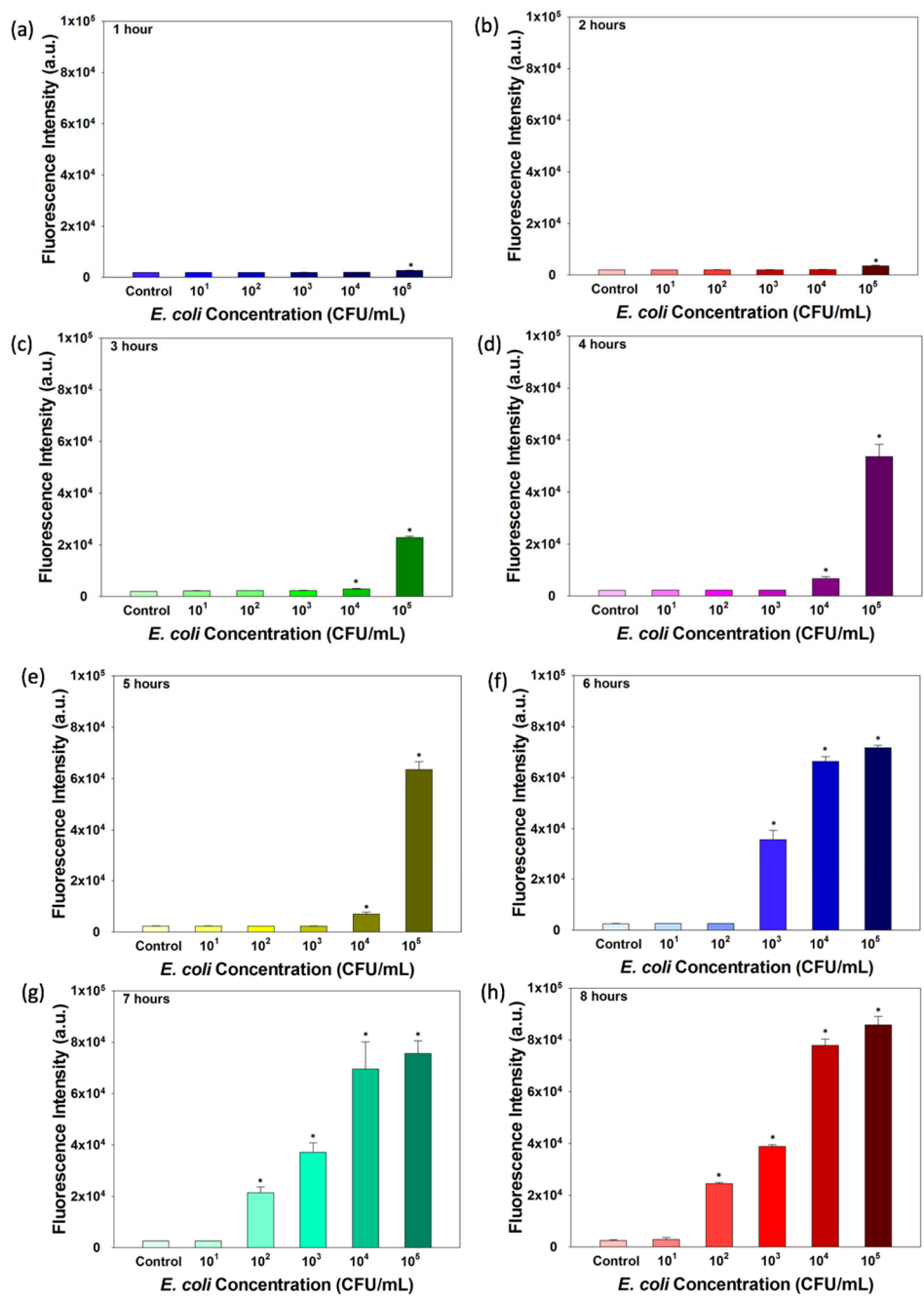


Figure S1 Fluorescence intensity measured from T7_{lacZ} phages infecting *E. coli* with different concentrations (0, 10^1 , 10^2 , 10^3 , 10^4 , and 10^5 CFU/mL) in buffer solution after (a) 1 hour (b) 2 hours (c) 3 hours (d) 4 hours (e) 5 hours (f) 6 hours (g) 7 hours (h) 8 hours of incubation at 37°C, respectively.

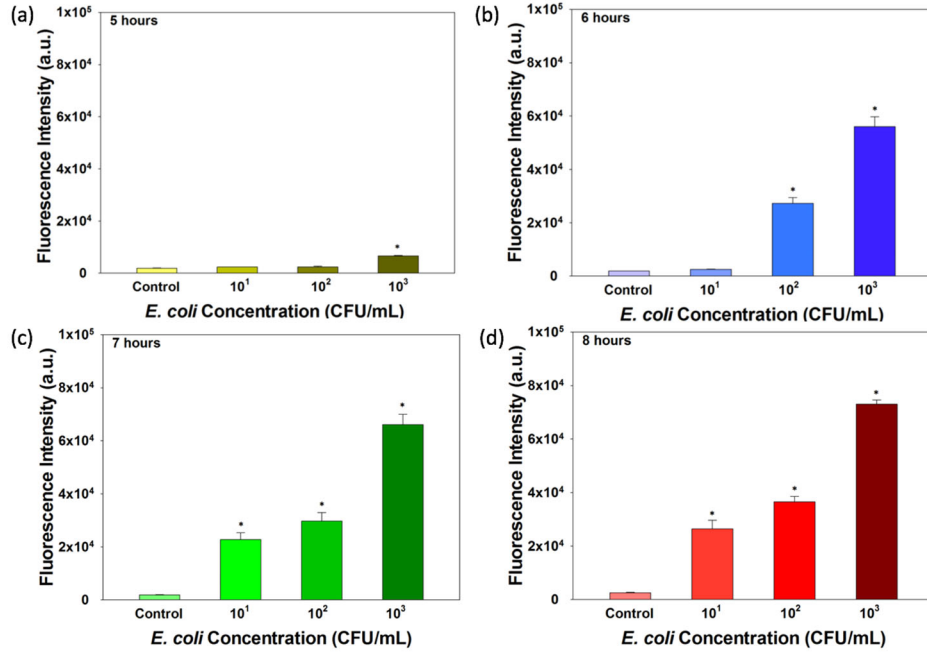


Figure S2 Fluorescence intensity measured from T7_{lacZ} phages infecting *E. coli* with different concentrations (0, 10, 10², 10³ CFU/mL) in ground beef after (a) 5 hour (b) 6 hours (c) 7 hours (d) 8 hours of incubation at 37°C, respectively.