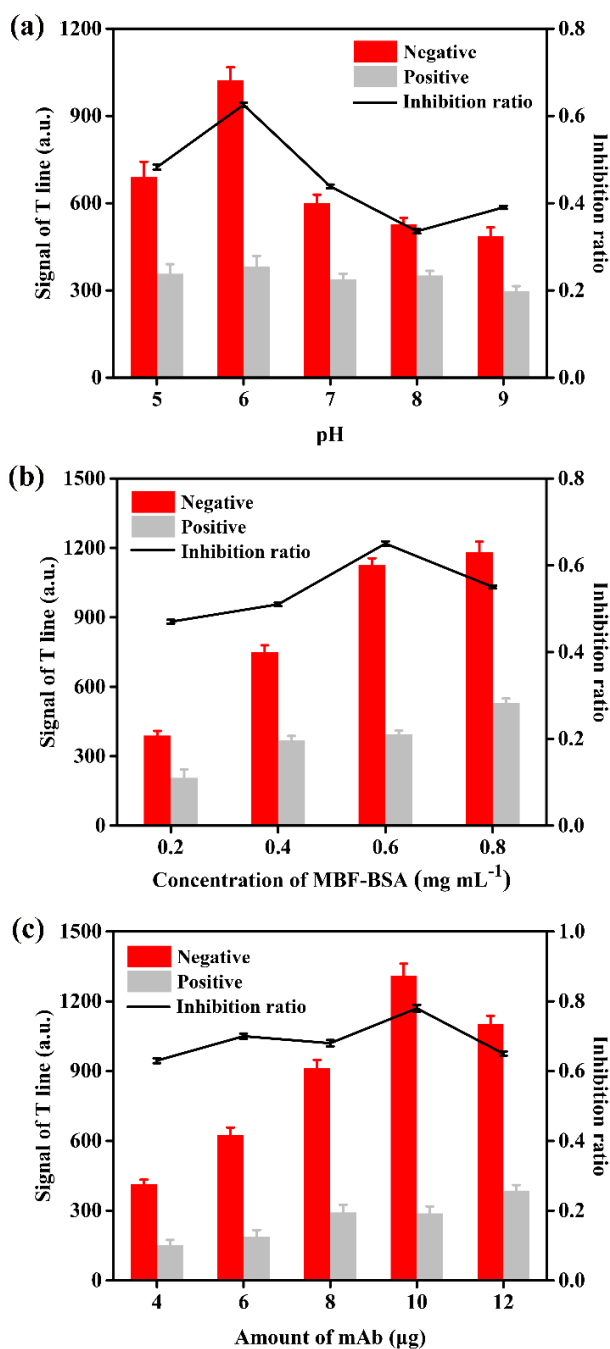
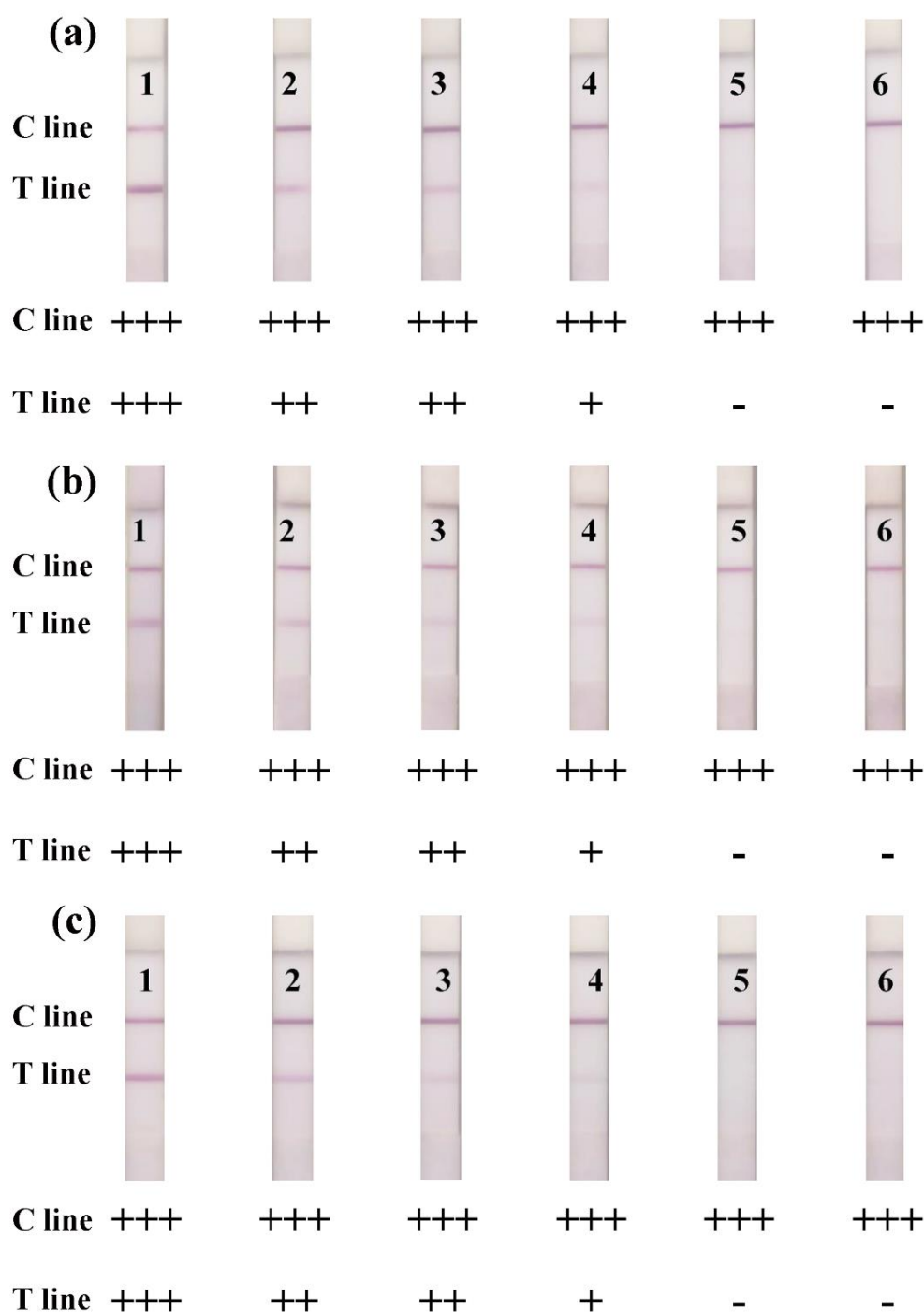


Supplemental Figure S1. Determination of marbofloxacin with LC-MS-MS. (a) Qualitative ion pair diagram of concentration of MBF standard (10 ng mL^{-1}). (b) Quantitative ion pair diagram of concentration of MBF standard (10 ng mL^{-1}). (c) Qualitative ion pair diagram of negative milk sample. (d) Quantitative ion pair diagram of negative milk sample.



Supplemental Figure S2. Optimization of parameters for detecting MBF based on the visual colloidal gold-based immunochromatographic assay. (a) The pH of labeling mAb with AuNPs. (b) Concentration of MBF-BSA on T line. (c) Amount of labeled mAb with AuNPs. Inhibition ratio = $1 - T/T_0$. T_0 is the signal of T line of MBF standard (0 ng mL^{-1}), and T is the signal of T line of MBF standard (0.3 ng mL^{-1}).



Supplemental Figure S3. Images of the detection of different concentrations of MBF-spiked milk samples using the visual colloidal gold-based immunochromatographic assay over three consecutive days. (a) The strips were detected on the first day. (b) The strips were detected on the second day. (c) The strips were detected on the third day. (1 = 0 ng mL⁻¹, 2 = 0.1 ng mL⁻¹, 3 = 0.25 ng mL⁻¹, 4 = 0.5 ng mL⁻¹, 5 = 1 ng mL⁻¹, 6 = 5 ng mL⁻¹) (+++ = Clearly visible, ++ = Visible, + = Weak visible, - = Invisible)