

Figure S1. Antipathogenic activity; a: *E. coli*; b: *S. aureus*; c: *S.* typhimurium.

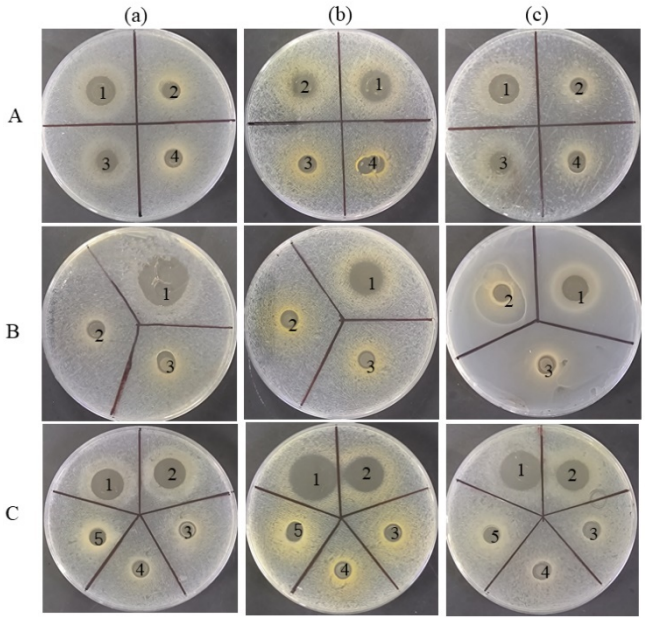


Figure S2. Characterization of MG0718 antimicrobial substances a: *E. coli*; b: *S. aureus*; c: *S.* typhimurium; A: Acid excretion test: 1: MG0718 CFS, 2: MG0718 CFS-pH6.5, 3: MRS + lactic acid, 4: MRS + acetic acid; B: Hydrogen peroxide excretion test: 1: MG0718 CFS, 2: MG0718 CFS + H_2O_2. 3: MRS + H_2O_2; C: Protein removal test: 1: MG0718 CFS, 2: MG0718 CFS + pepsin, 3: MG0718 CFS + proteinase K, 4: MG0718 CFS + trypsin, 5: MG0718 CFS + chymotrypsin.