Supporting Information

Metal oxide nanoparticles Functionalized Sebacic Acid grafted PHEAM nanocarriers for enriched activity of Metronidazole against food borne bacteria: in vitro and in vivo study

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Supplementatary figures

Figure S1. EDX spectrum of ZnO/SA-g-PHEMA (A), MgO/SA-g-PHEMA (B), MgO-ZnO/SA-g-PHEMA (C), ZnO/SA-g-PHEMA-MTZ (D), MgO/SA-g-PHEMA-MTZ (E), MgO-ZnO/SA-g-PHEMA-MTZ (F).
Figure S2(A-C). Encapsulation efficiency of ZnO/SA-g-PHEMA-MTZ (A), MgO/SA-g-PHEMA-MTZ (B), MgO-ZnO/SA-g-PHEMA-MTZ (C).
Figure S3(A-D). *In vitro* drug release of ZnO/SA-g-PHEMA for the pH- 1.2, 2.5, 5.5, 7.4.
Figure S4(A-D). *In vitro* drug release of MgO/SA-g-PHEMA for the pH- 1.2, 2.5, 5.5, 7.4.
Figure S5(A-D). *In vitro* drug release of MgO-ZnO/SA-g-PHEMA for the pH 1.2, 2.5, 5.5, 7.4.