

Supplementary materials

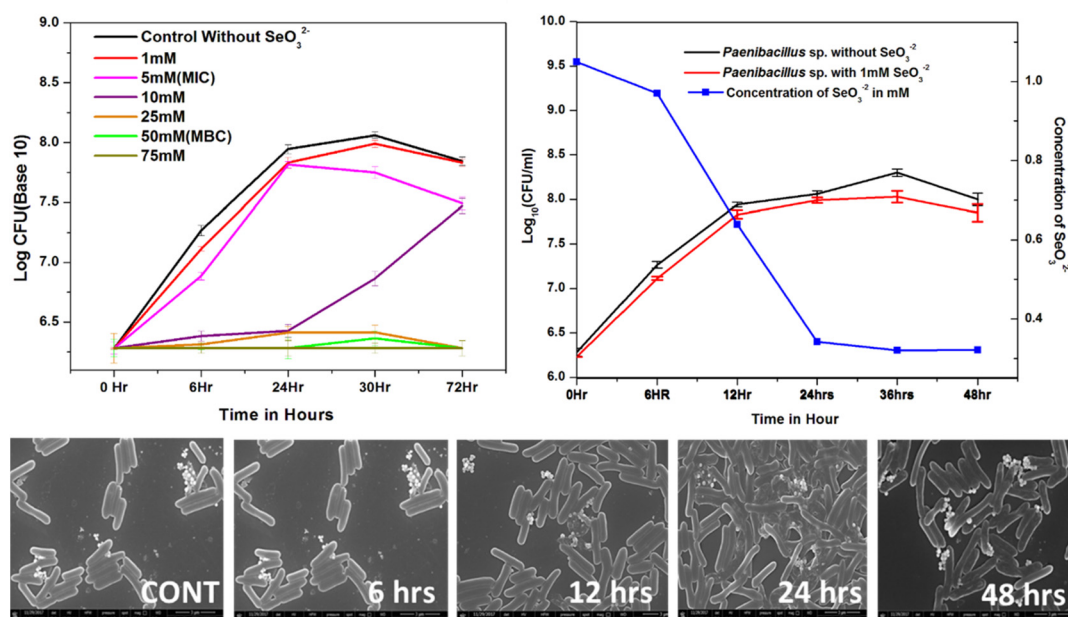


Figure S1. The growth kinetics of *P. terreus* in different concentration of sodium selenite shown in log cfu (left). Growth of *P. terreus* in presence of 1mM sodium selenite and corresponding decrease in the concentration of selenium ions after synthesizing SeNPs (Z-axis). Lower panel indicate the FESEM micrographs showing the size of SeNPs and cells during the synthesis biogenic SeNPs.

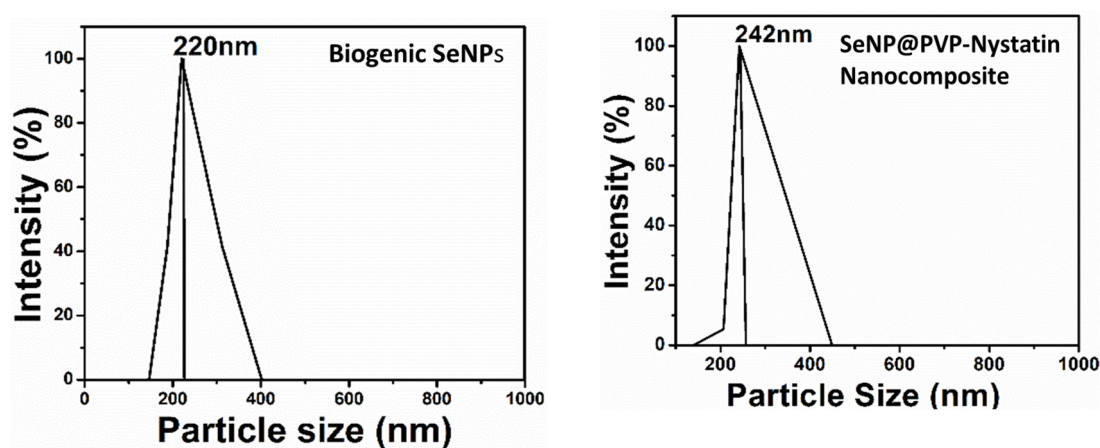


Figure S2. DLS analysis of Biogenic SeNPs (left) and SeNP@PVP-Nystatin nanoconjugates (right) showing the particle size distribution of biogenic SeNPs and nanoconjugates. The average particle size of biogenic SeNPs and nanoconjugates was respectively, 220 nm and 242 nm.

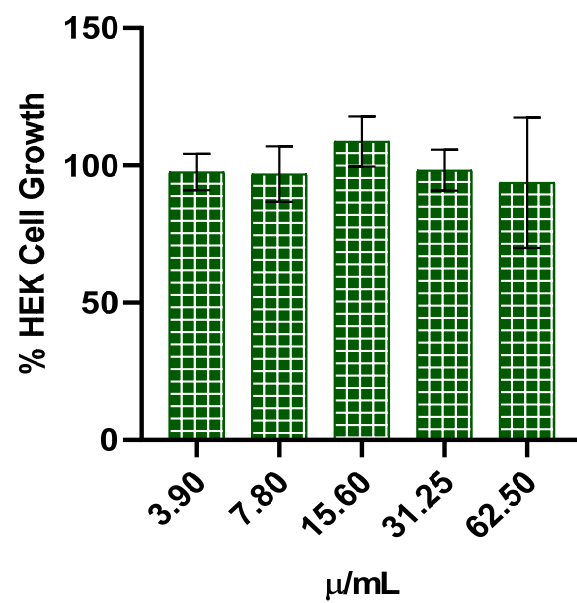


Figure S3. Cytotoxicity study of SeNP@PVP-Nystatin nanoconjugates on HEK-293 cell line.