Electronic Supplementary Information

Polyvinylpyrrolidone/Cellulose Acetate (PVP/CA) Electrospun Composite Nanofibers Loaded by Glycerine and Garlic Extract with In-Vitro Antibacterial Activity and Release Behavior Test

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Fig. S1 FTIR spectra of PVP powder, CA powder, Glycerin, and Garlic Extract.
**Fig. S2** The appearance of the wells after 24 hours incubation. The words “pa” stands for *Pseudomonas Aeruginosa* while the words “Sa” refers to *Staphylococcus aureus*. 
Fig. S3 The results of scratching one ose of MHB solution on the microplate onto MHA media after incubation for 24 hours. The words “pa” stands for Pseudomonas Aeruginosa while the words “Sa” refers to Staphylococcus aureus.
Fig. S4 S. aureus bacterial colonies that grow after contact with the membrane for 24 hours. (a) S. aureus control, (b) PVP/CA, (c) PVP/CA/Glycerin; (d) PVP/CA/Garlic; (e) PVP/CA/Glycerin/Garlic.
**Fig. S5** Colonies of *P. aeruginosa* bacteria that grow after contact with membrane for 24 hours. (a) *P. aeruginosa* control, (b) PVP/CA, (c) PVP/CA/Glycerin; (d) PVP/CA/Garlic; (e) PVP/CA/Glycerin/Garlic.