

Supporting materials

Title: Deposition of Hydrophilic Nanocomposite-based Coating on Silicone Hydrogel through a Laser Process to Minimize UV Exposure and Bacterial Contamination

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S1. FTIR spectra of Ag-PVP nanocomposites with/without MAPLE

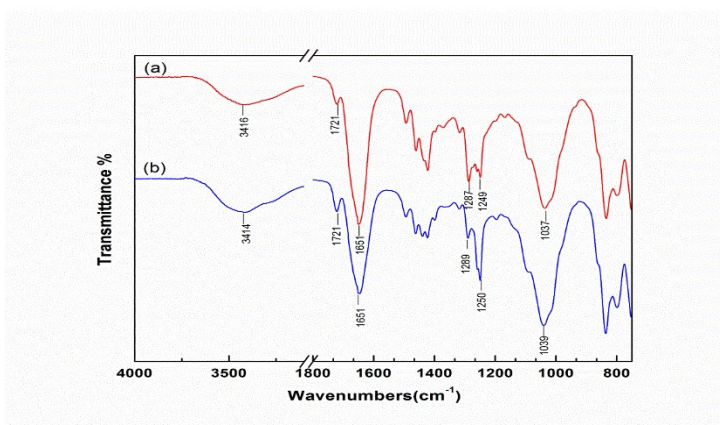


Figure S1. FTIR spectra of Ag-PVP nanocomposites by (a) MAPLE and (b) Drop-Air-dried method.

S2. UV-vis measurement

Samples of silicone hydrogel with Ag-PVP coating were measured by UV-vis spectrometry at 6-month time interval. The UV-vis spectra do not change as shown in Figure S2.

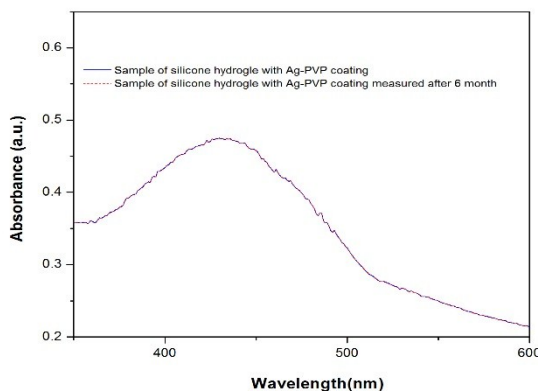


Figure S2. UV-vis spectra of the sample of silicone hydrogel with Ag-PVP coating measured at 6 month time interval.