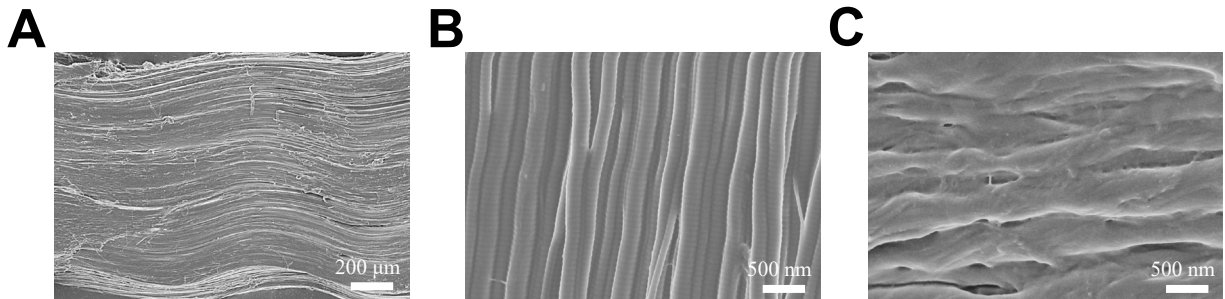


*Supplementary Material*



**Supplementary Figure 1.** The microstructures of collagen membranes. (A) The SEM images of lateral view of untreated collagen membrane. (B) The SEM images of surface view of untreated collagen membrane. (C) The SEM images of surface view of gelatin.