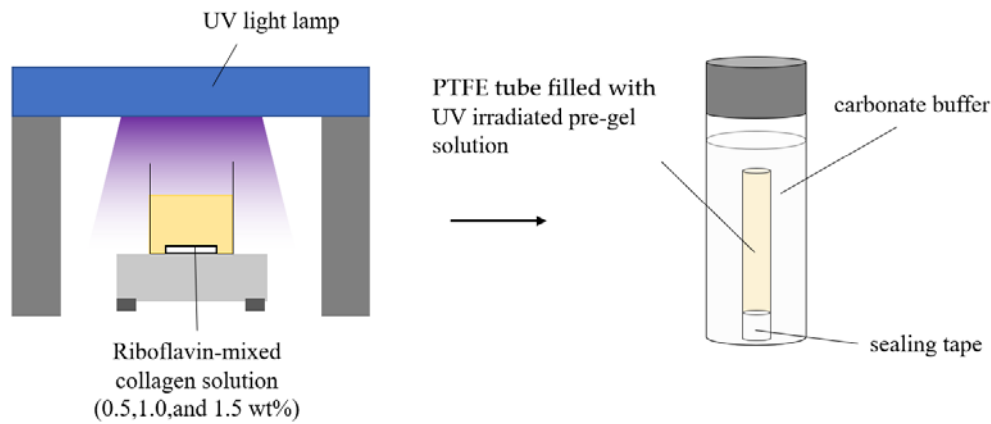


Supporting Information



Collagen solutions were irradiated with a UV light source for 10, 20, 30, and 60 minutes.

PTFE tubes filled with collagen solutions were immersed in carbonate buffer and refrigerated at 7°C for 5 days.

Figure S1. Schematic diagram illustrating the preparation method of thin hollow collagen gel rod from the UV-treated collagen solution.

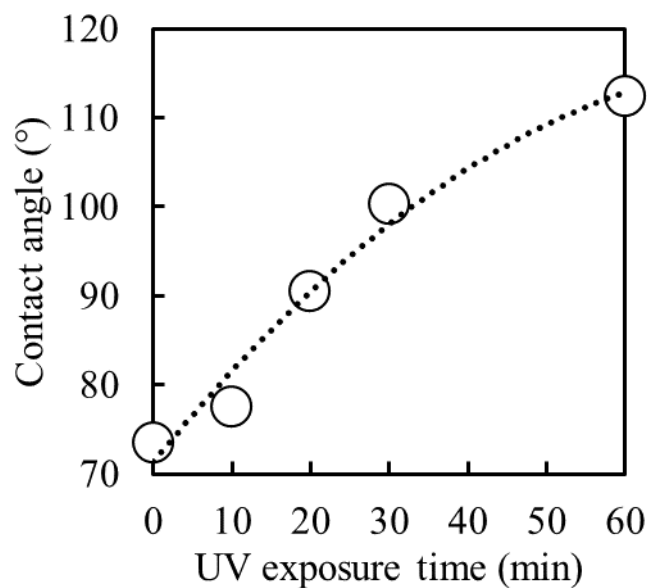


Figure S2. Contact angles of sheets dried after casting UV-irradiated collagen solution: The contact angles between the collagen sheet and the droplet formed by dropping 5 μL of ultrapure water on various collagen sheets were measured at 20 °C. The collagen sheets were obtained by the following method: a drop of 20 μL of the given UV-treated 1 wt% aqueous collagen solution was dropped onto a glass slide, cast, and then dried in a constant temperature and humidity chamber at 20 °C and 60% RH for 24 hours.