

Rose Bengal Crosslinking to Stabilize Collagen Sheets and Generate Modulated Collagen Laminates

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Supporting Information

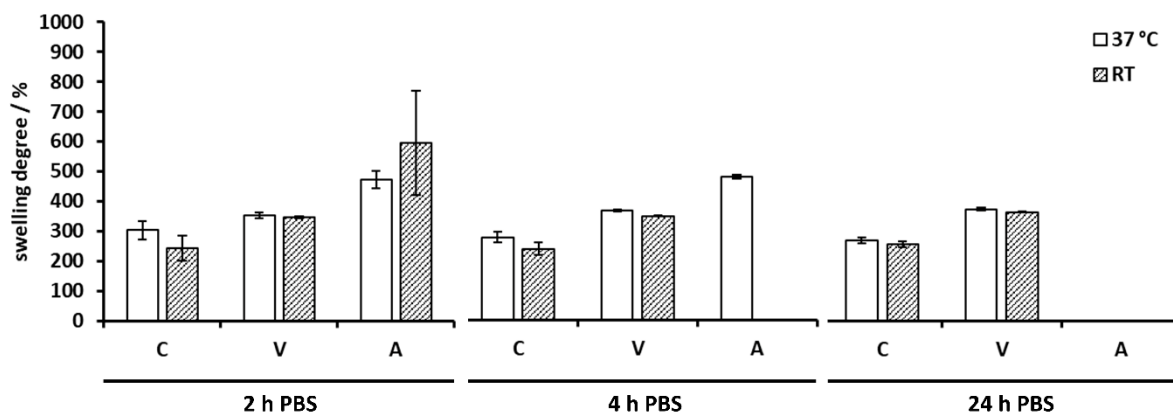


Figure S1. Swelling degree of unmodified collagen sheets at 37 °C and RT after 2 h, 4 h and 24 h in relation to their dry weight (100 %). C: Collagen Solutions, V: Viscofan and A: Atelocollagen. Unmodified Atelocollagen samples were destroyed during 2 h and 4 h measurements so that no results were obtained for 4 h at RT and 24 h.

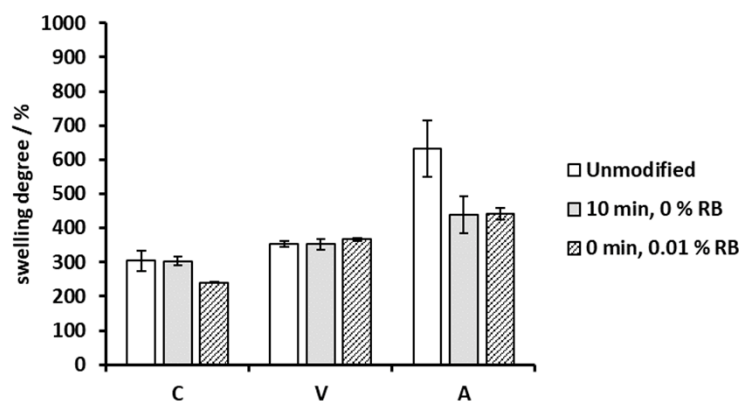


Figure S2. Swelling degree of unmodified collagen sheets, collagen sheets loaded with 0.01 % RB exposed to standard laboratory illumination (0 min, 0.01 % RB) and collagen sheets loaded with PBS exposed to green light (10 min, 0 % RB) after 2 h at 37 °C. C: Collagen Solutions, V: Viscofan and A: Atelocollagen.

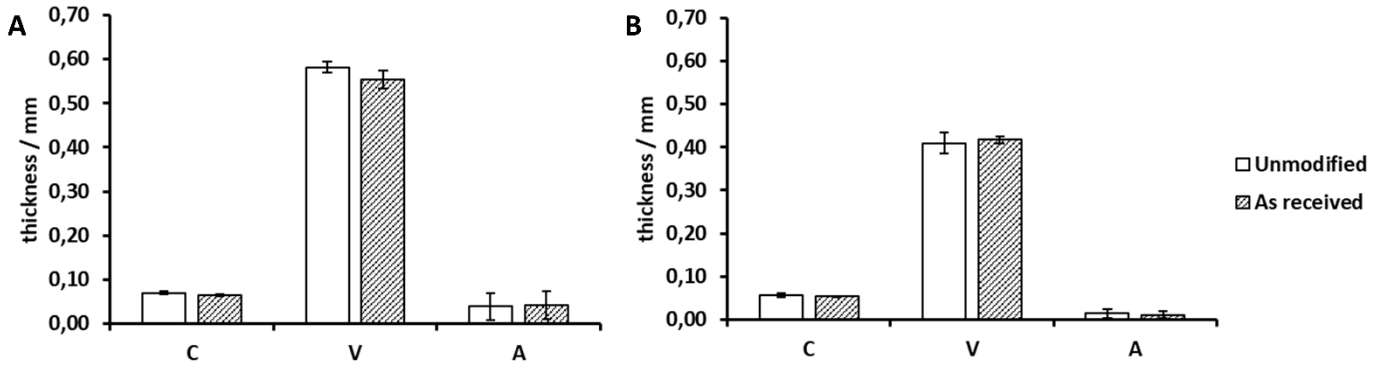


Figure S3. Thickness (measured by height gauge under force application) of unmodified collagen sheets and "as received" at (A) 37 °C and (B) RT as measured by height gauge under force application. Samples were conditioned in PBS for 24 h before measurement. C: Collagen Solutions, V: Viscofan and A: Atelocollagen.

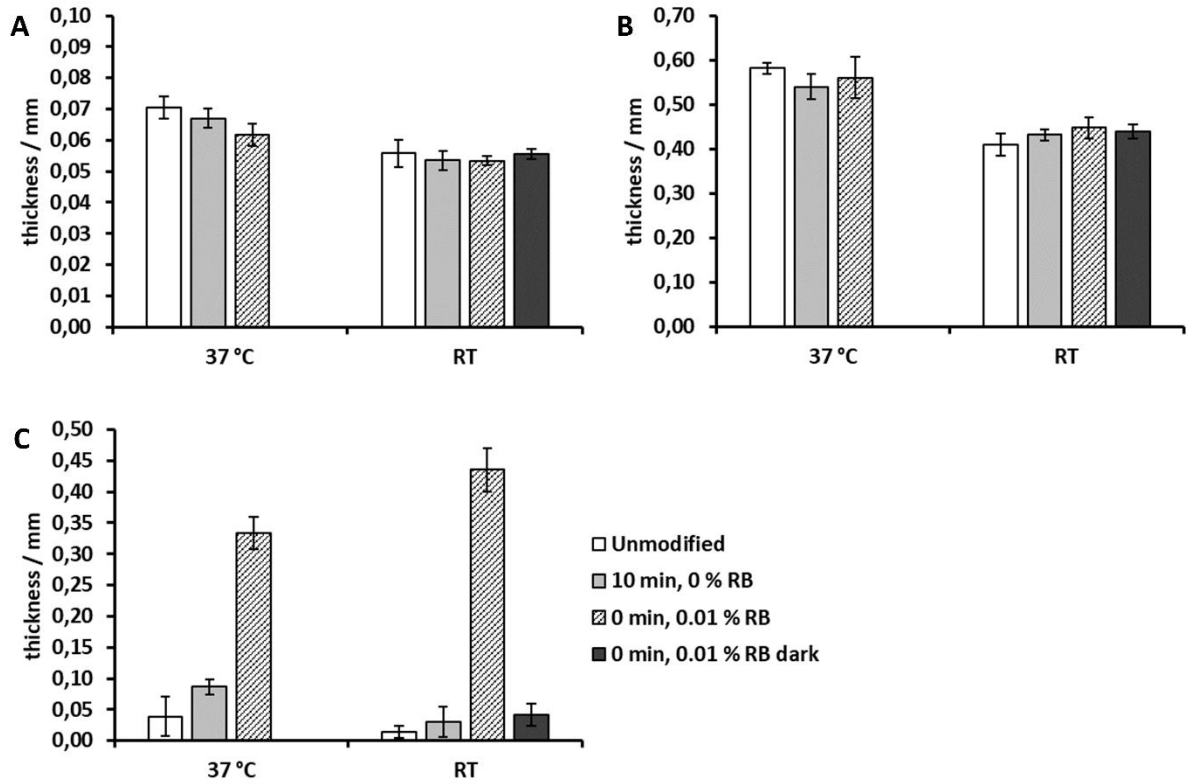


Figure S4. Thickness (measured by height gauge under force application) of unmodified collagen sheets, collagen sheets loaded with 0.01 % RB exposed to standard laboratory illumination (0 min, 0.01 % RB) or protected from stray light (0 min, 0.01 % RB, dark), and collagen sheets loaded with PBS exposed to green light (10 min, 0 % RB) at 37 °C and RT. Samples were conditioned in PBS for 24 h before measurement. (A): Collagen Solutions, (B): Viscofan, (C): Atelocollagen.