

# Supporting Information

## A New Approach for On-Chip Production of Biological Microgels using Photochemical Crosslinking

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**Figure S1: BSA Viscosity curve with and without cross-linking agent**

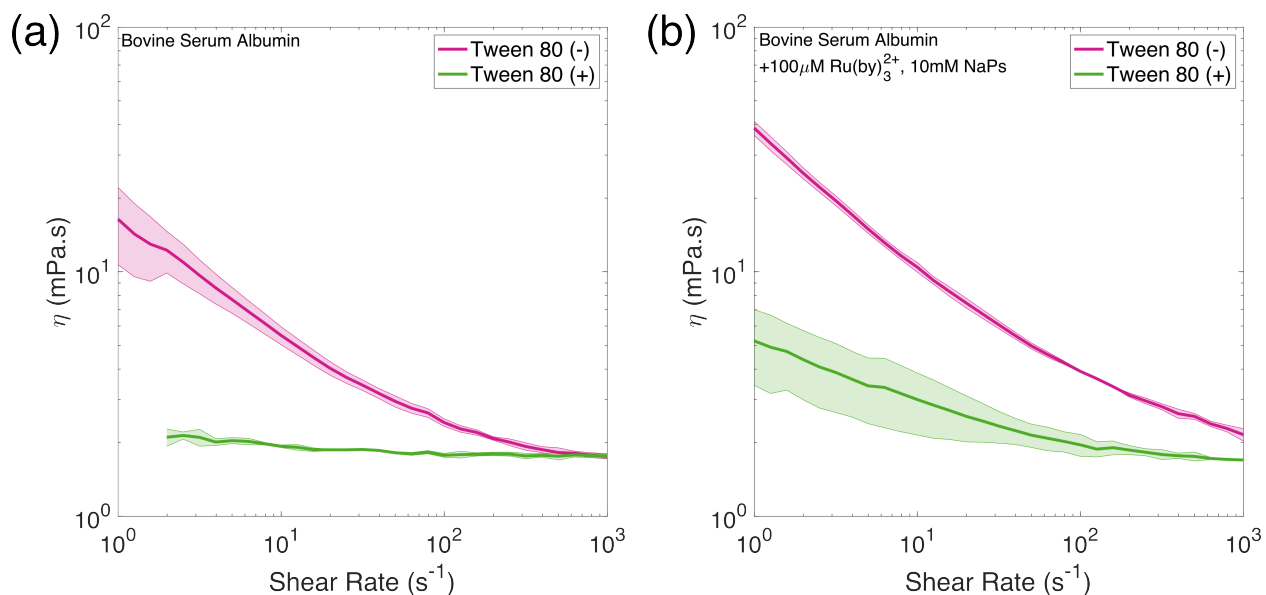


Fig. S1: Bulk steady shear viscosity of BSA solutions with respect to shear rate prepared at the concentrations used for microgel production in the presence (a) and absence (b) of crosslinking reagents. Although both samples show apparent shear thinning, the addition of 0.01% Tween-80 surfactant to either sample is shown to markedly decrease this apparent thinning behaviour, indicating that the apparent thinning arises from interfacial effects.

**Figure S2: Elastic Modulus of BSA Hydrogels during Gelation**

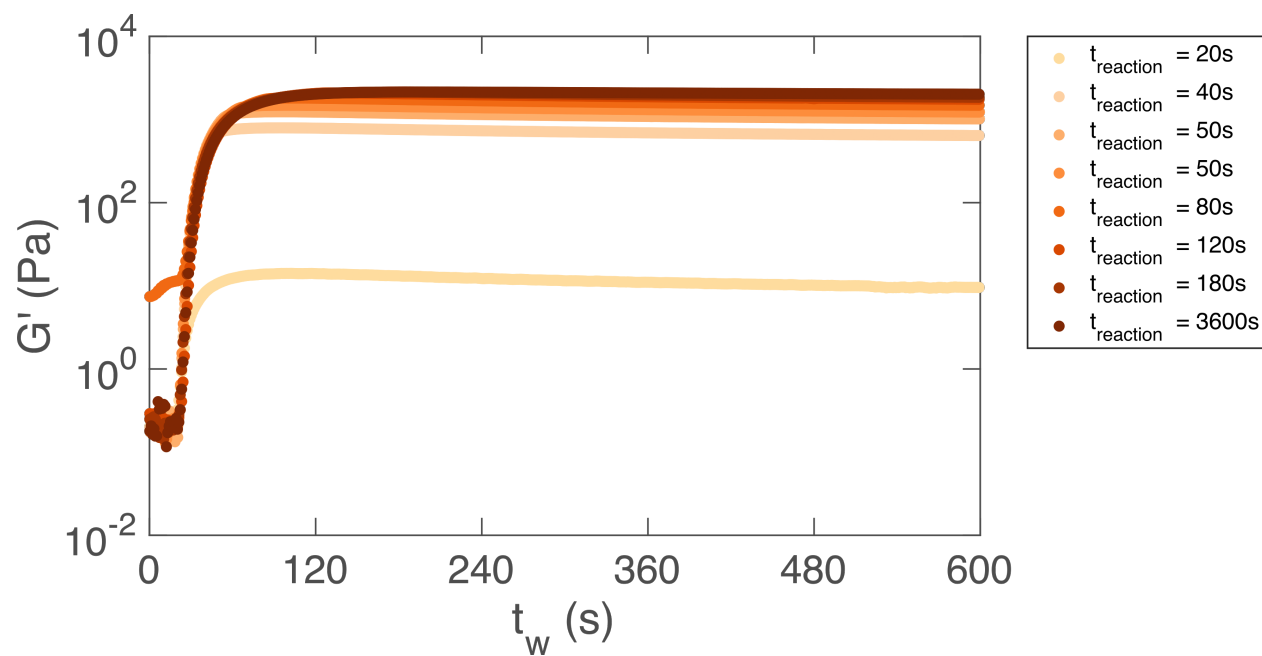


Fig. S2: Elastic modulus  $G'$  with respect to incubation time  $t_w$  of BSA following the initiation of photochemical crosslinking (a), for a range of reaction times  $t_{\text{reaction}}$ .