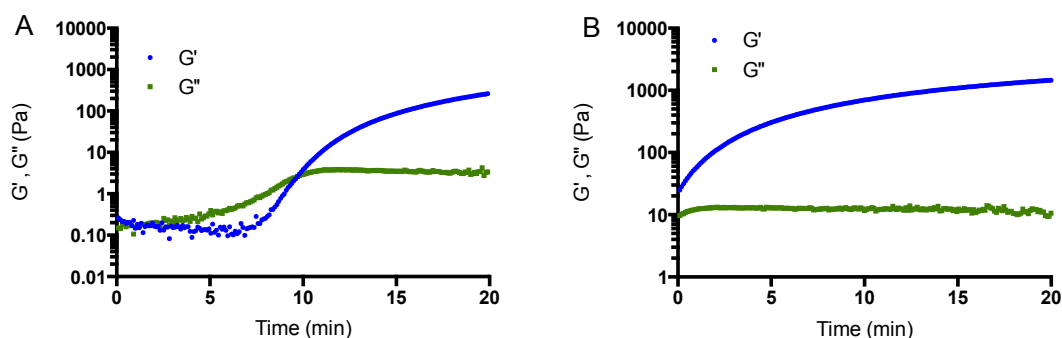
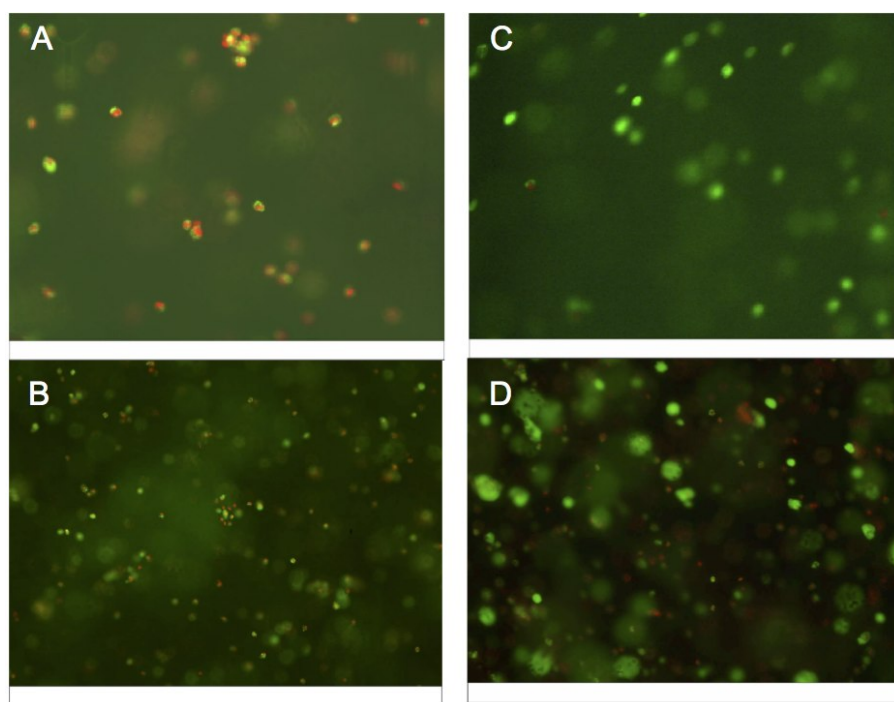


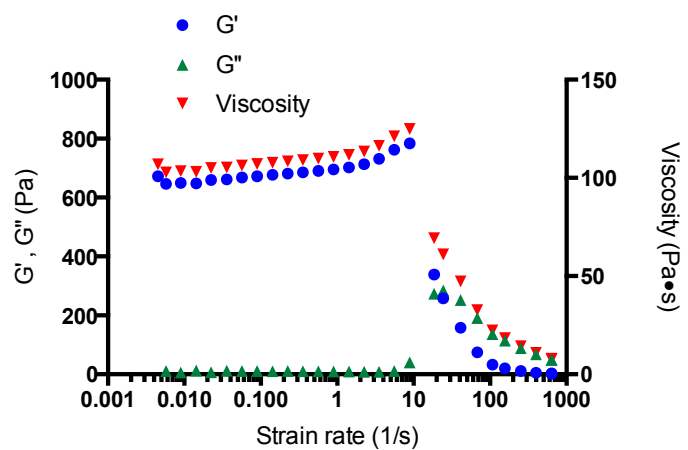
Supporting information



SI-Figure 1. Evaluation of storage modulus (G') and loss modulus (G'') during the first 20 minutes of pre-cross-linking at 20 °C of A) PNC-PEGNHS (7.5-3.8 wt%) and B) PNC-HANHS (7.5-1.6 wt%).



SI-Figure 2. Live Dead chondrocyte viability of PNC-PEG (7.5-3.8 wt%) after A) 4 hours and B) 7 days. Chondrocyte viability of PNC-HA (7.5-1.6 wt%) after C) 4 hours and D) 7 days.



SI-Figure 3. Effect of increasing strain rate on storage modulus (G'), loss modulus (G'') and viscosity of PNC-PEG (7.5-3.8 wt%) as measured by rheology.