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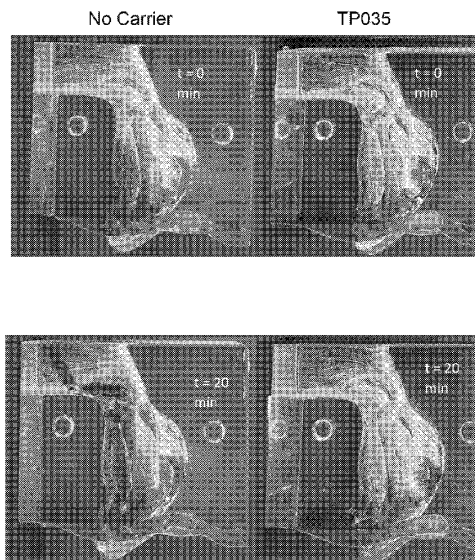


Figure 10

(57) Abstract: Disclosed herein is a bioactive polymer for forming a solution and/or hydrogel to stabilise one or more pharmaceutically active agents prior to, during or post-administration, the polymer comprising a first monomer for binding water, a second monomer for imparting mechanical properties to the scaffold; optionally, a third monomer for binding to a natural or synthetic peptide or protein (NSPP); and a fourth monomer for imparting phase-transition behaviour. Preferably, the first monomer is OEGMA; the second monomer is PLA/HEMA; the third monomer is NAS; and the fourth monomer is NIPAAm, and the polymer comprises: OEGMA in an amount of from about 1 to about 15 mol%; PLA/HEMA in an amount of from 5 to about 50 mol%; NAS in an amount of from 0 to about 15 mol%; and NIPAAm in an amount of up to about 85 mol%.

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