

Supporting Information

A contactless approach for monitoring the mechanical properties of swollen hydrogels

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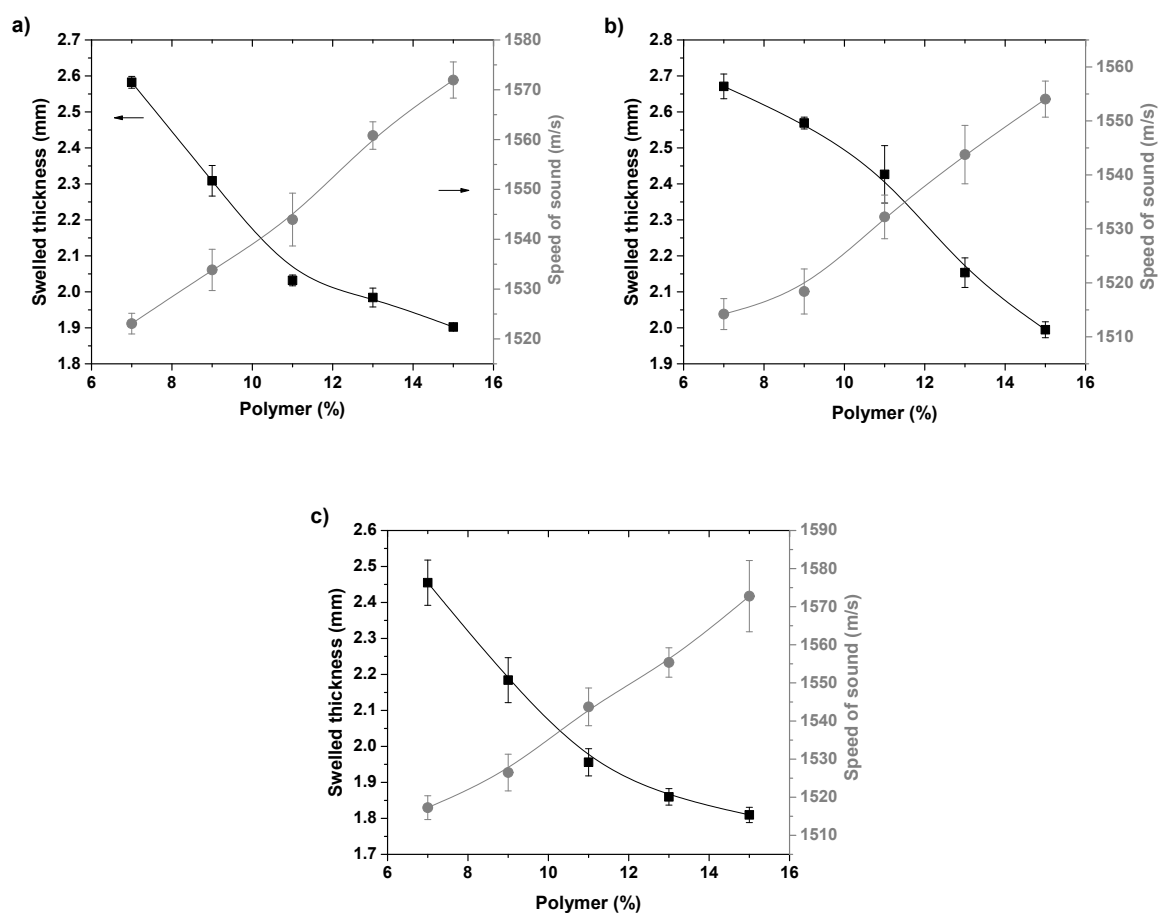


Fig S1 SOS (dots) and thickness (thickness) of GelMA hydrogels as a function of polymer concentration. a) VHMAT, b) HMAT, c) VHMAS. Data points are interconnected with b-spline fit as an eye guide.

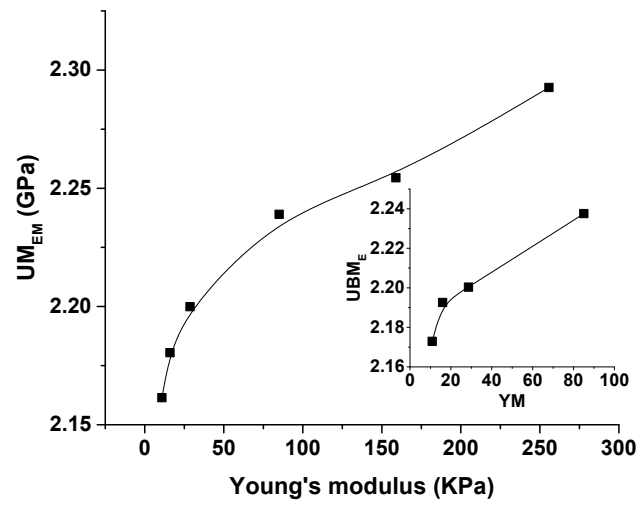


Fig. S2 Comparison of ultrasound modulus using an elastic model (UM_{EM}) with young's modulus measured by indentation for GAEM samples. In display, GAEM hydrogels as a function of polymer concentration. Inset, 5 % GAEM hydrogel as a function of photoinitiator concentration. Data points are interconnected with b-spline fit as an eye guide.

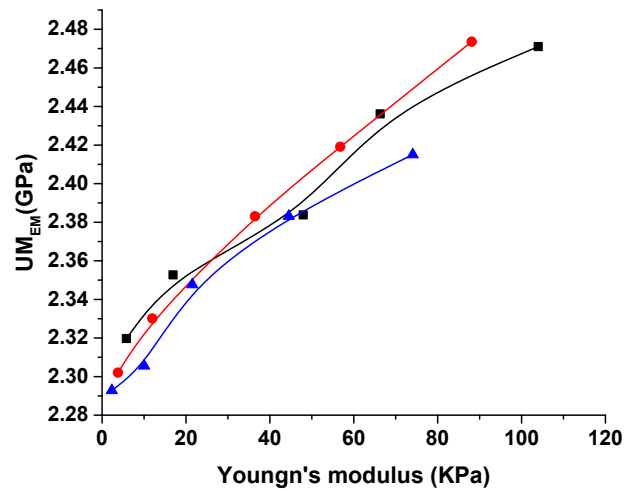


Fig. S3 Comparison of ultrasound modulus using an elastic model (UM_{EM}) with young's modulus measured by indentation for GelMA samples. VHMAT (squares), HMAT (triangles), VHMAS (dots). Data points are interconnected with b-spline fit as an eye guide.