HyStem® Hydrogel UV QuickSet Kit
Easy-to-use hydrogels for bioprinting applications

- Enables faster, controlled gelation times
- Controlled by UV light
- Optimized for micro-scale bioprinting applications
- Maintains standard characteristics of other HyStem hydrogels

The fastest, UV light-controlled hydrogel

As one of the first hyaluronic acid-based light-controlled hydrogels, the HyStem® Hydrogel UV QuickSet Kit supports 3D cell culture for use in tissue engineering and small scale bioprinting applications. The HyStem® Hydrogel UV QuickSet Kit provides increased temporal and spatial control making it ideal for micro-scale bioprinting. Gelation occurs after 30-60 seconds when exposed to ultraviolet light as compared to ~30 minutes using other hydrogel formulations.

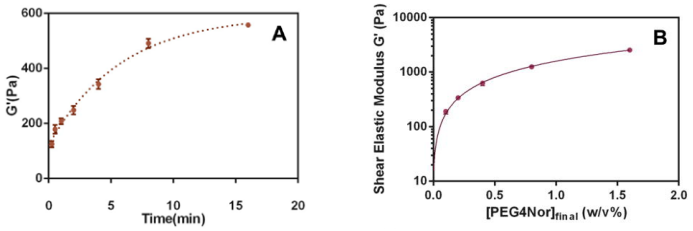

Figure 1. Rheometry experiments for shear elastic modulus (G') of hydrogel networks formed with Glycosil and Gelin-S at various ultraviolet light exposure times and substrate concentrations. **[A]** Time course with final concentration 0.2% w/v PEG norbornene and UV illumination for up to 15 min. **[B]** PEG norbornene dose response (final concentrations listed) with UV illumination for 3 minutes at each concentration.

References

Hynes, W.F., et al. (2014) Micropatterning of 3D Microenvironments for Living Biosensor Applications. Biosensors 4: 28-44.

ORDER INFORMATION

DESCRIPTION	SIZE	CAT. NO.
HyStem® Hydrogel UV QuickSet Kit	2.5 mL	GS1007
	7.5 mL	GS1008

For the latest information please visit esibio.com.

t 877.636.4978
e orders@esibio.com

ESI·BIO™
A Division of BioTime, Inc.