

Supporting Information

Characterization of gelatin/gellan gum/glycol chitosan ternary hydrogel for retinal pigment epithelial tissue reconstruction material

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Table S1. The sequence of the primers used for Real-Time PCR analysis.

Protein	Primer sequences	
CRALBP	F	5' -TTC CGC ATG GTA CCT GAA GAG GAA-3'
	R	5'-ACT GCA GCC GGA AAT TCA CAT AGC -3'
RPE65	F	5'-GCC CTC CTG CAC AAG TTT GAC TTT-3'
	R	5'-AGT TGG TCT CTG TGC AAG CGT AGT-3'
NPR-A	F	5'-AGA GGG AGA ACC TGA CCA ACC G-3'
	R	5'-ACG ATT CTG GAA TTC CTG ATA CTC G-3'
RHODO	F	5'-TCA TCA TGG TCA TCG CTT TC -3'
	R	5'-CAT GAA GAT GGG ACC GAA GT -3'
MITF	F	5'-TTC ACG AGC GTC CTG TAT GCA GAT-3'
	R	5'-TTG CAA AGC AGG ATC CAT CAA GCC-3'
COL I	F	5'-GAT GCG TTC CAG TTC GAG TA-3'
	R	5'-GGT CTT CCG GTG GTC TTG TA-3'
β -actin	F	5'- CCG CTT CGC GGG GGA ACG -3'
	R	5'- TCC CGG CCA GCC AGG TCC -3'

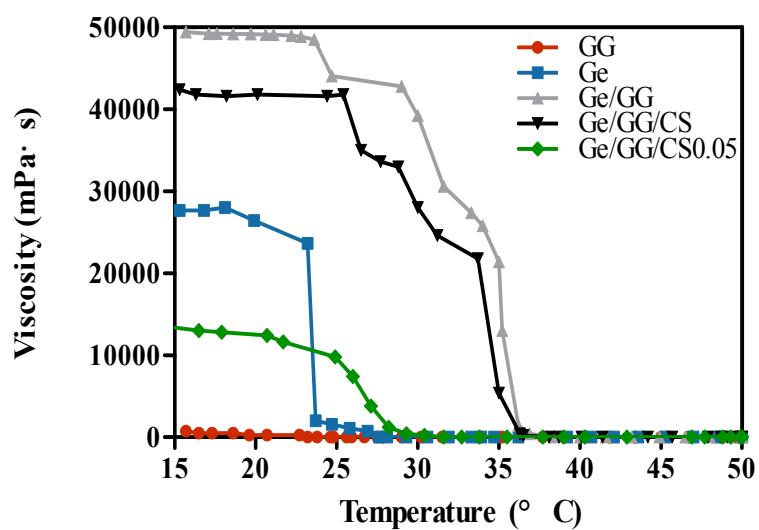


Figure S1. Viscosity study of the materials analyzed in the temperature range of 50°C to 15°C.

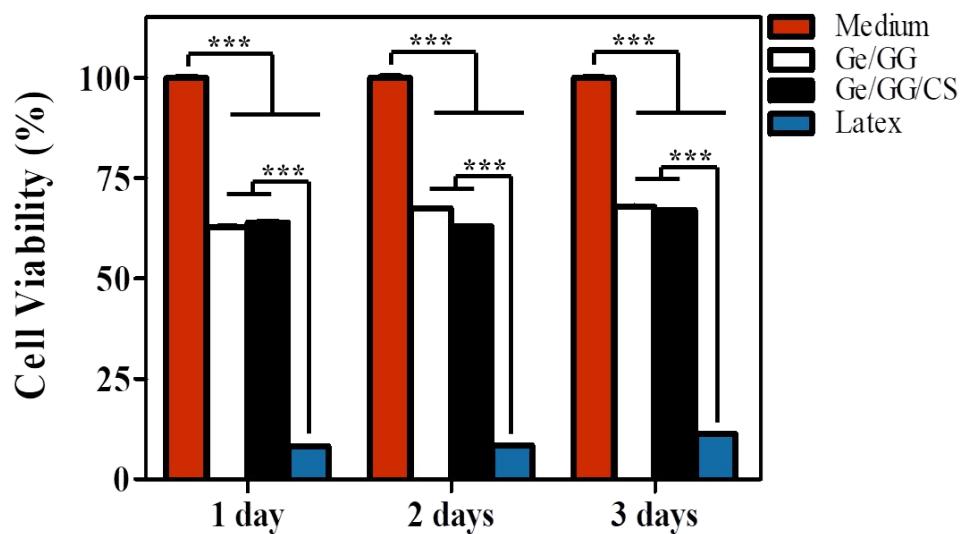


Figure S2. Extraction test of the hydrogels evaluated on 1, 2 and 3 days (values are mean \pm SD ($n=6$), $P < 0.001$ (***)).

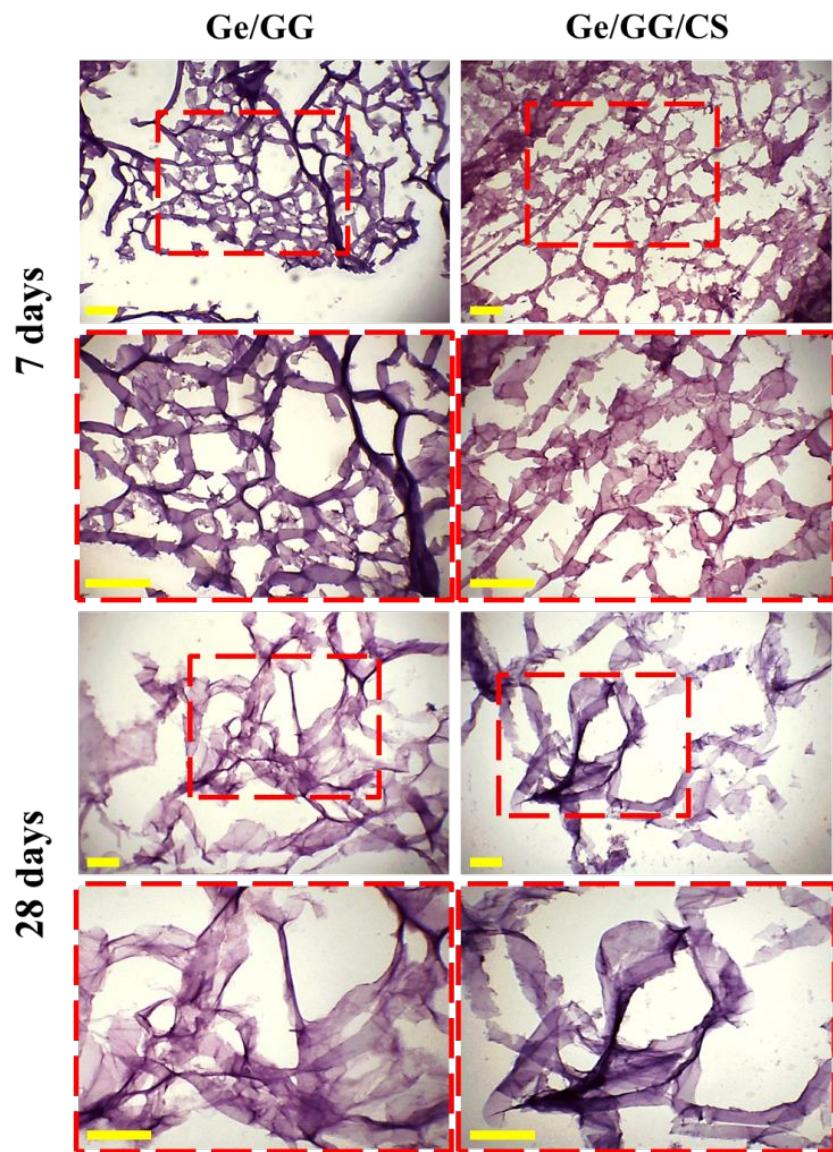


Figure S3. H&E staining images of the hydrogels without ARPE-19. The scale bar of the images above is 200 μm , and the scale bar of the high magnification images below is 50 μm .