

Supplementary Info

Table S1†. Pore size distribution of PVA/GLE hydrogel for each group

n	Pore Size Distribution (μm)					
	PGL0	PGL1	PGL2	PGL3	PGL4	PGL5
1	17.043	27.924	32.223	42.485	49.758	74.411
2	16.04	20.529	36.215	57.611	37.985	118.273
3	24.081	20.901	17.993	57.611	51.415	64.362
4	18.052	21.201	27.775	51.826	42.663	63.955
5	28.142	18.654	34.833	30.74	82.962	51.522
6	22.061	18.701	41.351	33.767	71.86	89.006
7	22.055	18.963	50.155	39.373	49.081	77.092
8	19.074	21.748	23.168	44.589	47.27	74.035
9	21.059	22.076	16.786	43.681	50.581	70.308
10	24.065	21.753	24.69	40.629	43.776	90.006
11	16.662	19.188	30.856	33.793	57.604	124.825
12	20.181	28.113	62.335	40.71	54.812	80.183
13	18.218	20.913	46.559	36.229	58.434	58.249
14	15.851	21.584	50.784	40.601	66.18	53.106
15	13.9	23.36	57.336	38.174	51.413	47.321
16	15.335	18.654	43.822	38.108	45.753	41.608
17	16.842	20.232	26.598	45.757	54.921	34.033
18	16.366	22.501	29.433	37.258	67.223	54.829
19	16.662	30.384	54.489	47.118	56.31	60.166
20	16.32	27.061	56.624	28.377	64.039	47.901
21	12.541	20.213	39.177	46.885	64.529	44.637
22	19.962	23.831	44.56	51.833	47.388	56.403
23	16.85	27.597	39.177	53.019	40.229	38.082
24	15.732	28.871	45.264	41.434	49.758	35.004
25	14.354	27.642	49.413	47.142	46.451	34.442
26	17.601	21.608	41.546	47.142	53.382	
27	13.927	24.204	33.075	41.504	86.484	
28	14.844	23.655	31.784	39.981	63.773	
29	16.32	29.919	31.721	35.884	48.574	
30	19.465	48.023	37.84	25.677	73.656	
31	17.537	34.204				
32	25.877	35.872				
33	22.265	32.176				
34	24.567	17.823				
35	23.708	21.201				
36	25.959	23.495				
37	18.654	22.618				
38	18.654	31.078				
39	18.546	16.407				
40	30.593	26.935				

41	45.823	25.633				
42	20.939	19.623				
43	19.83	21.614				
44	17.658	37.189				
45	23.345	36.542				
46	30.985	39.343				
47	20.206	31.979				
48	20.206	27.061				
49	25.544	21.742				
50	17.891	26.232				
d_{av}	20.17	25.37	38.58	41.96	55.94	63.35
STDev	5.62	6.44	11.74	7.84	11.98	23.96

Table S2†. Tukey's HSD statistical test for significant differences in pore size between groups using IBM SPSS 20.

Tukey HSD^{a,b}

GLE Concentration	N	Subset for alpha = 0.05		
		1	2	3
PGL0	50	20.1678		
PGL1	50	25.3754		
PGL2	30		38.5861	
PGL3	30		41.9646	
PGL4	30			55.9421
PGL5	25			63.3504
Sig.		.430	.833	.091

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 33.333.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.