Supporting Information: Design of modular gellan gum hydrogel functionalized with avidin and biotinylated integrin ligands for cell culture applications

Christine Gering, Janne T. Koivisto, Jenny Parraga, Jenni Leppiniemi, Kaisa Vuornos, Vesa P. Hytönen, Susanna Miettinen, and Minna Kellomäki

## S3 Appendix. Compression data and curves of functionalized and non-functionalized samples.

Data are the same as presented in Fig. 4B and are presented as means  $\pm$  SD. The graphs (stress vs. strain) show all compression curves, from which the fracture points are averaged. The photograph shows cylindrical hydrogel samples, cell-free but incubated in DMEM.

Sample description	Fracture Strength [kPa]	Fracture Strain [%]	п
NaGG + SPD	$4.3 \pm 1.1$	$32.7\pm6.5$	5
$NaGG + CaCl_2$	$5.1\pm0.8$	$45.5\pm1.0$	5
NaGG-avd (L) + SPD	$5.5\pm0.7$	$35.9\pm4.0$	5
NaGG-avd (L) + CaCl <sub>2</sub>	$8.6\pm1.0$	$45.7\pm2.2$	5
NaGG-avd (H) + SPD	$6.4 \pm 1.2$	$36.5\pm5.6$	4
NaGG-avd DMEM on gel	$11.5 \pm 0.8$	$37.6 \pm 3.5$	5



