

Supplementary material

3D bioprinting of heterogeneous tissue-engineered skin containing human dermal fibroblasts and keratinocytes

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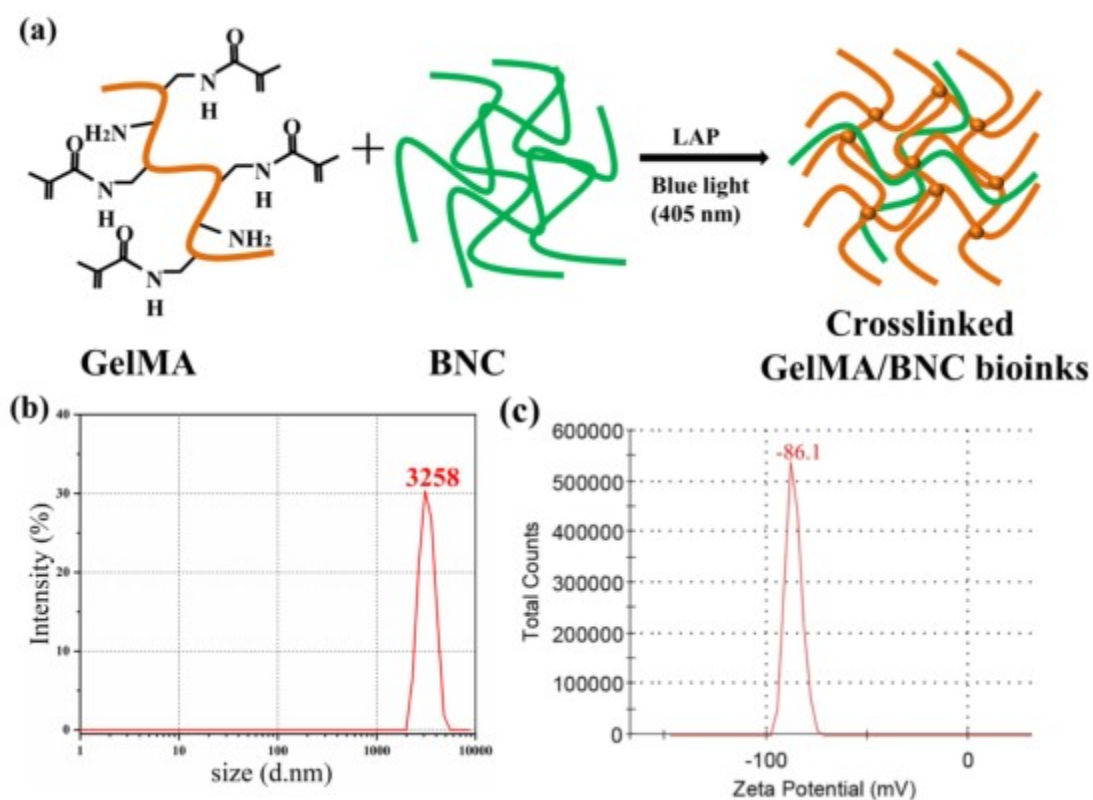


Figure S1. Preparation of crosslinked GelMA/BNC bioinks and characterization of BNC particles. (a) Scheme of crosslinked GelMA/BNC bioinks preparation. (b) Dynamic light scattering analysis for size distribution of BNC particles. (c) Zeta potential of homogenized BNC solution.

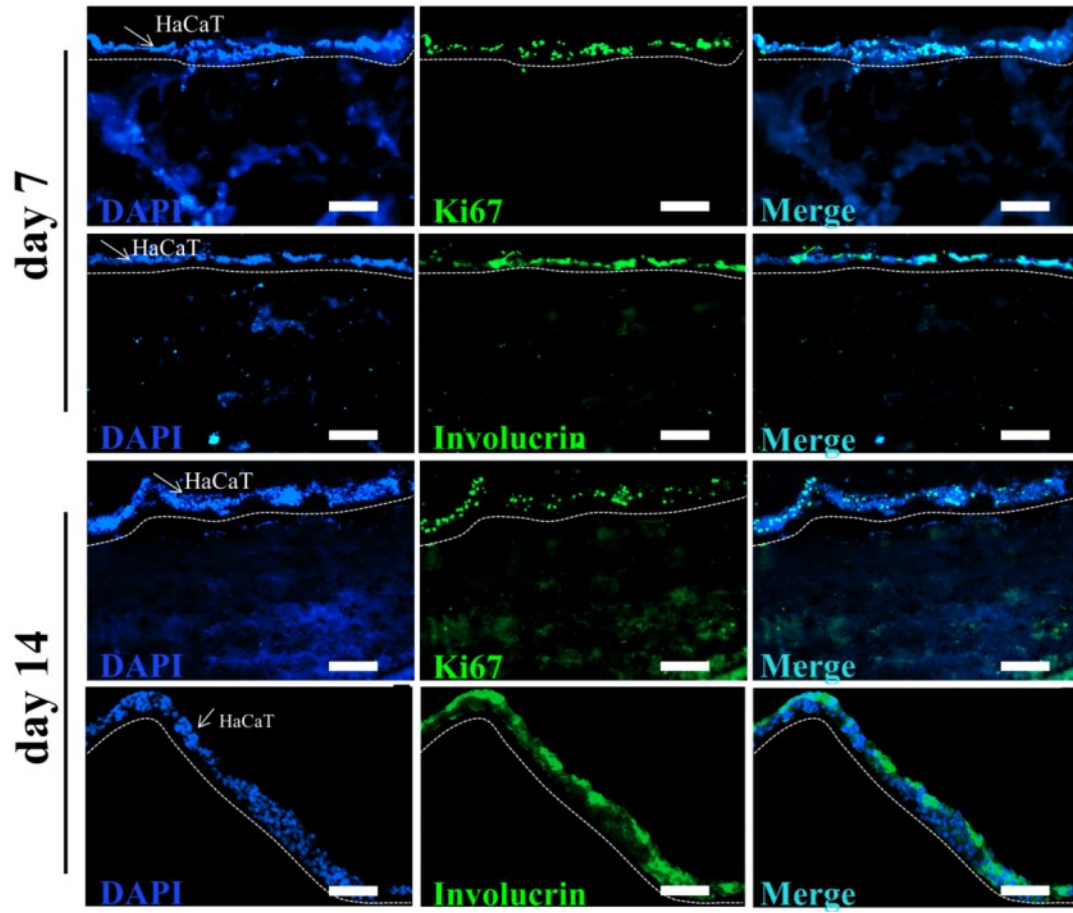


Figure S2. Immunofluorescence analysis of HTS after 7 and 14 days of culture at ALI (Ki67: proliferation marker, involucrin: late differentiation marker and DAPI: nucleus). Scale bar =200 μm .