

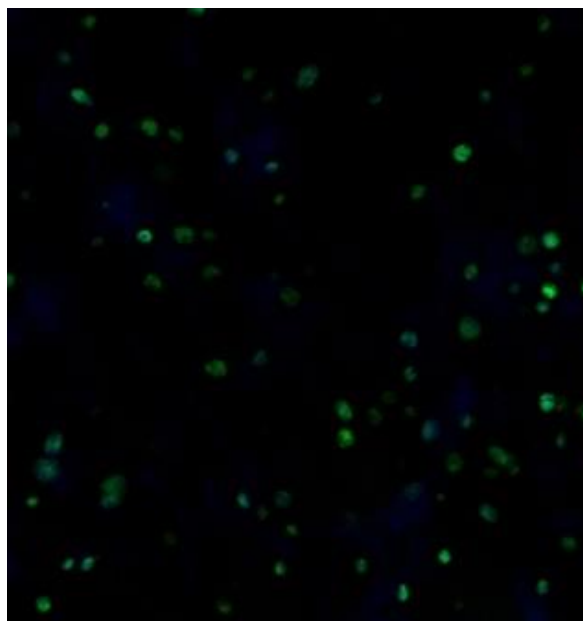
Supplementary Materials: Bioprinting and Preliminary Testing of Highly Reproducible Novel Bioink for Potential Skin Regeneration

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Maximum Intensity Projection Images of Bioprinted CH-GE-PEG Cell-Laden Constructs Throughout Seven Days.

Cell counts were calculated based on maximum intensity projection (S1) of acquired Z stacks of the 3D printed bioink. Cell viability and density were evaluated at day 0 (immediately after printing), 3, 5 and 7 ($n = 3$). Corresponding to figure 7 in the main paper. As can be seen from the images, the cell density does not look too clustered when in 2D. In Figure 7 where the cell counts have been shown, the error bars are very small ($n = 3$).

Day 0



Day 3

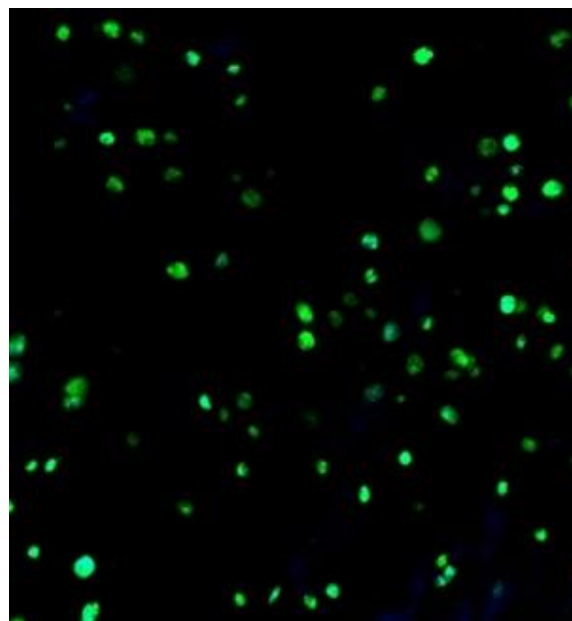
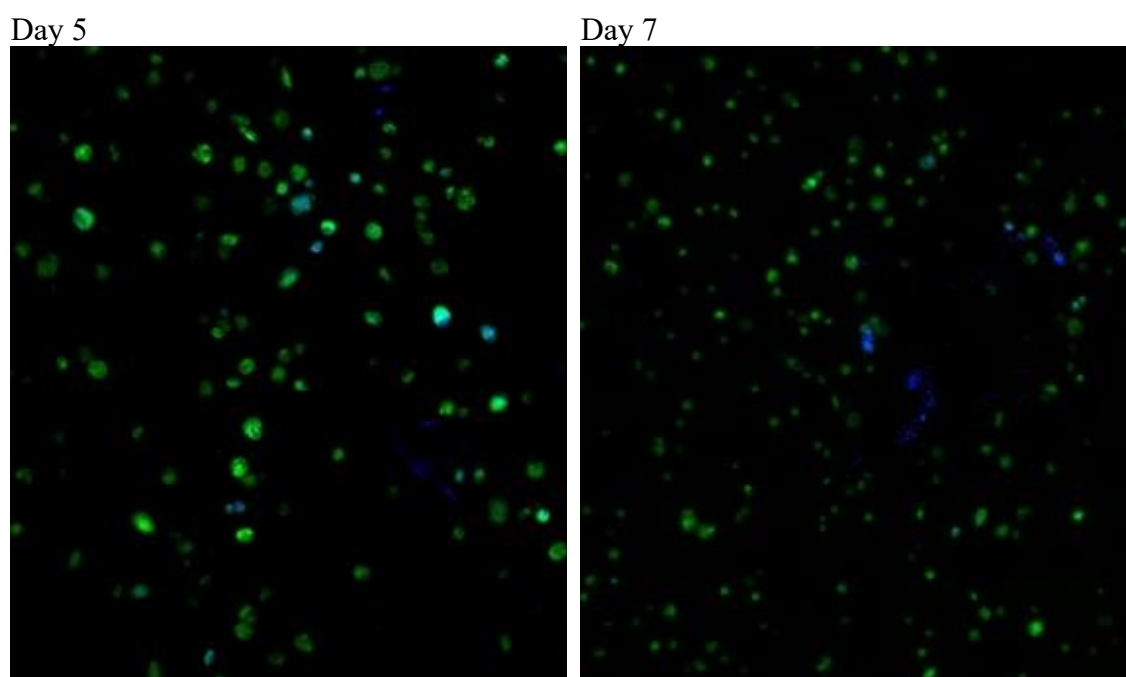


Figure S1. Cont.



MIP of cells, used for cell counting.

Figure S1. Representative maximum intensity projections of HDFs and KCs printed within a 3D bioink. Stained for calcein AM (green) and DAPI (blue) at day 0 (A)(immediately after printing), day 3(B), day 5(C) and day 7(D). Composite images green and blue labelled cells, mark living cells, whilst blue only denote dead cells.