Supplementary Material

Fig. S1. Schematic of the microfluidic tissue culture platform and experimental setup.

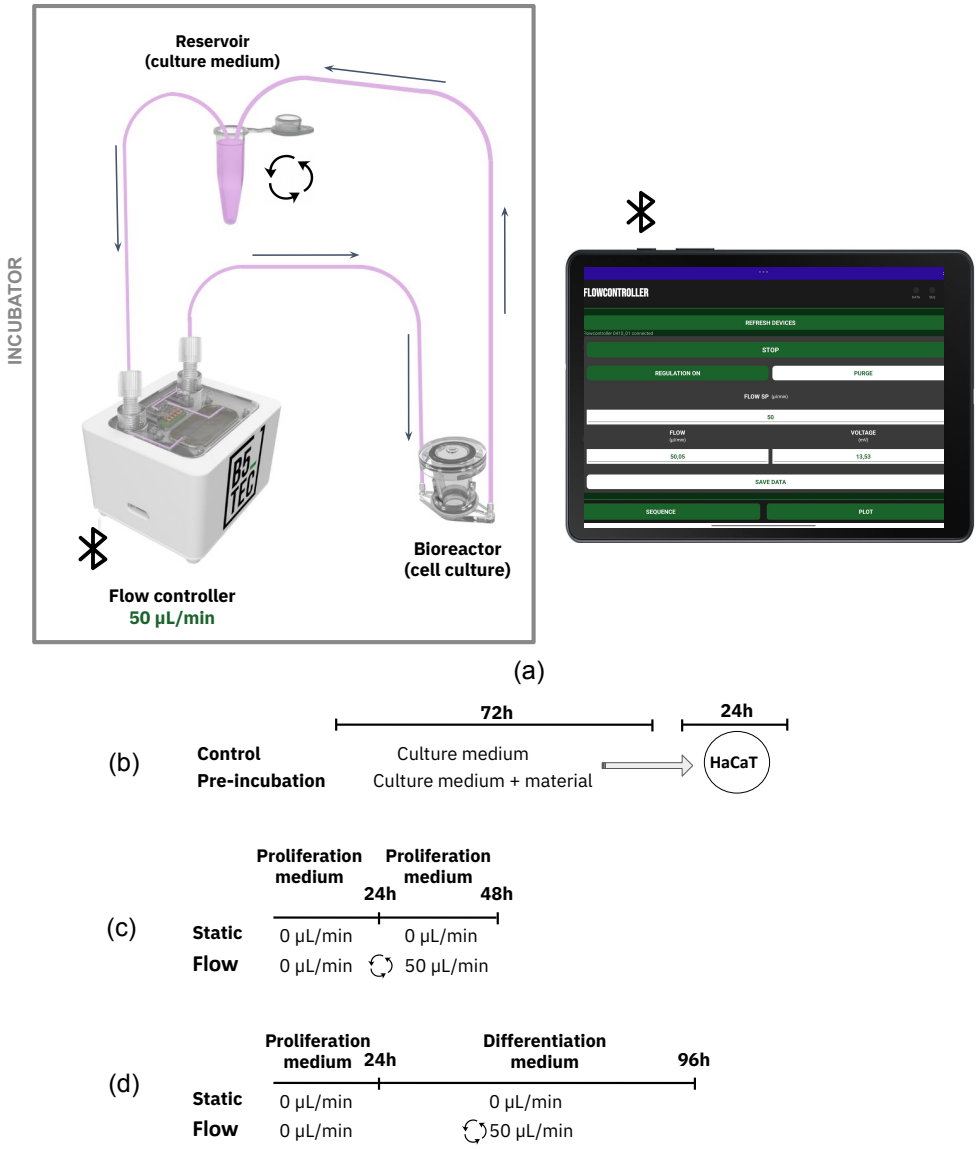
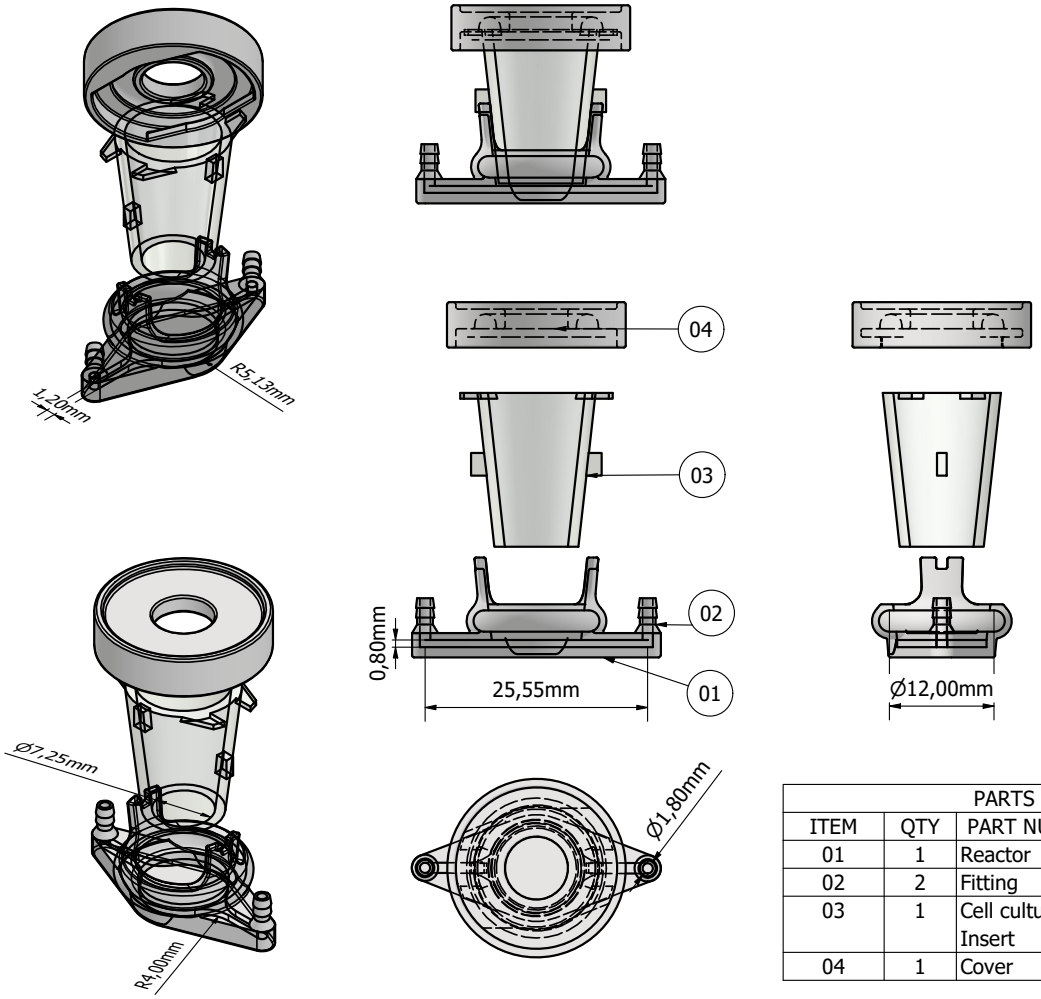


Figure S1: Overview of the microfluidic tissue culture platform and experimental timelines. (a) Schematic of microfluidic tissue culture platform and experimental setup. (b) Experimental timeline for biocompatibility assessment of materials and resins. (c) Experimental timeline for keratinocyte (HaCaT) proliferation under proliferative conditions. (d) Experimental timeline for keratinocyte (HaCaT) differentiation under differentiative conditions.

Fig. S2. Custom-made bioreactor design.



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
01	1	Reactor	3D-printed
02	2	Fitting	3D-printed
03	1	Cell culture Insert	Falcon®
04	1	Cover	3D-printed

Figure S2: Custom-made bioreactor design.

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