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MDPI

Article

A Tumor Accelerator Based on Multicomponent Bone Scaffolds and Cancer Cell Homing

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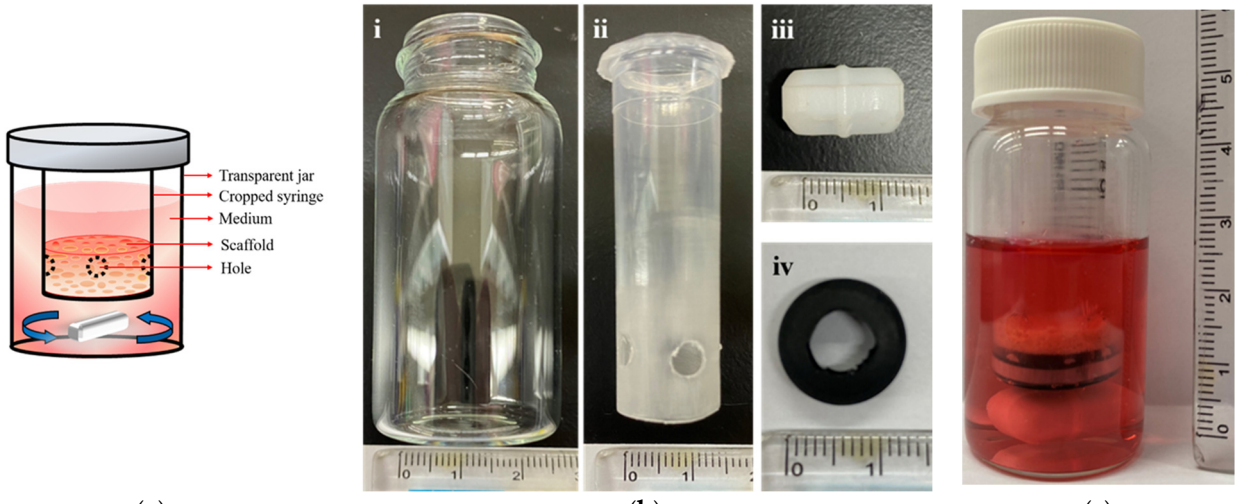
Supplementary Materials:



(**a**) (**b**) (**c**)

Figure S1. Bioreactor: (**a**) schematic diagram of the bioreactor; the holes around the syringe and the rotation of the stirrer below drive the disturbance of the culture medium, thereby achieving the effect of internal and external flow; (**b**) the composition of the bioreactor: 20 mL transparent glass jar, rubber stopper, cut and perforated syringe and stirrer (i: transparent jar; ii: rubber bung; iii: cropped syringe; iv: stirrer). (**c**) Entity diagram of the dynamic culture of bioreactor.

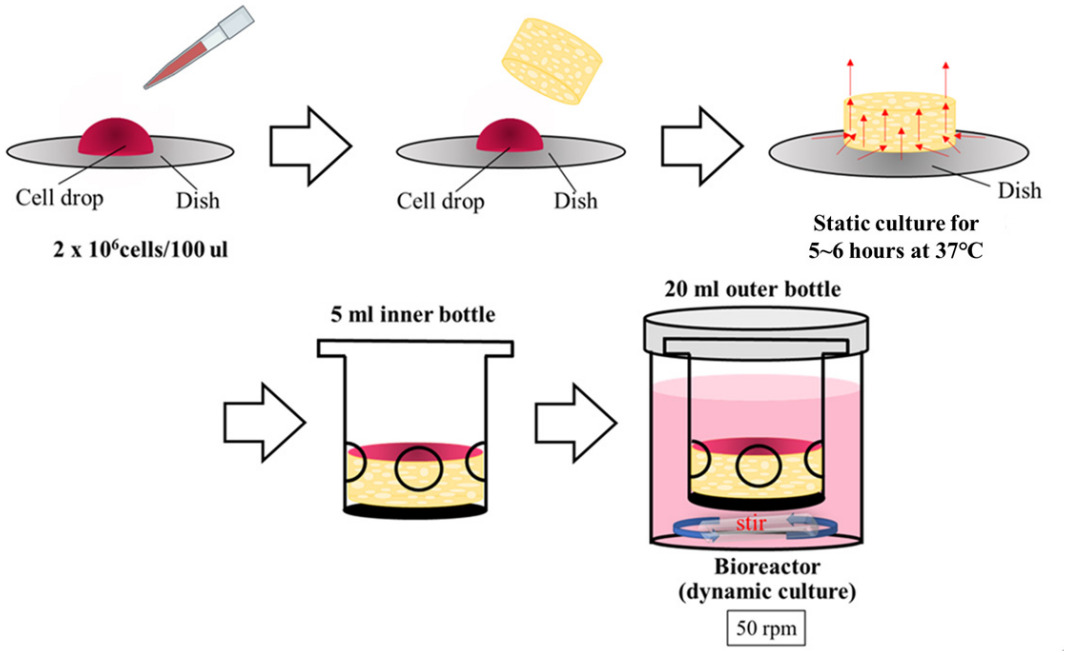


Figure S2. Simple flow chart of dynamic culture.

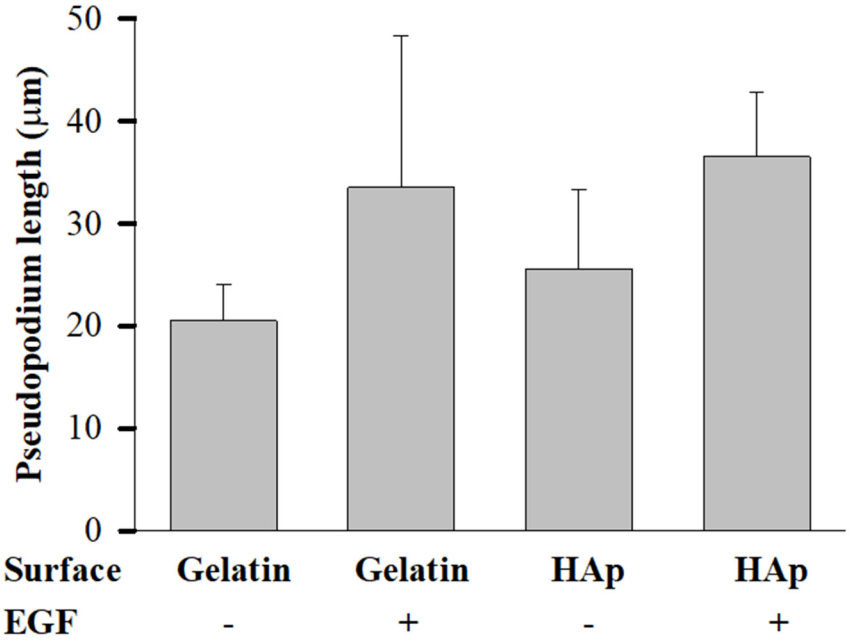


Figure S3. Pseudopodia measurement of MDA-MB-231 in dynamic culture on scaffold: the cell pseudopodia length adhered and proliferated on scaffold was measured for 3 days of dynamic culture. It was found that the cell pseudopodia in the gelatin part were shorter than those in the HAp part (20 vs. 25 μm); when EGF was used, a reduction in the difference in pseudopodia length was observed between the two materials (35 vs. 38 μm).