

## Supporting Information

### Copper-epigallocatechin Gallate Enhances Therapeutic Effects of 3D-printed Dermal Scaffolds in Mitigating Diabetic Wound Scarring

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**Table S1** Primer information

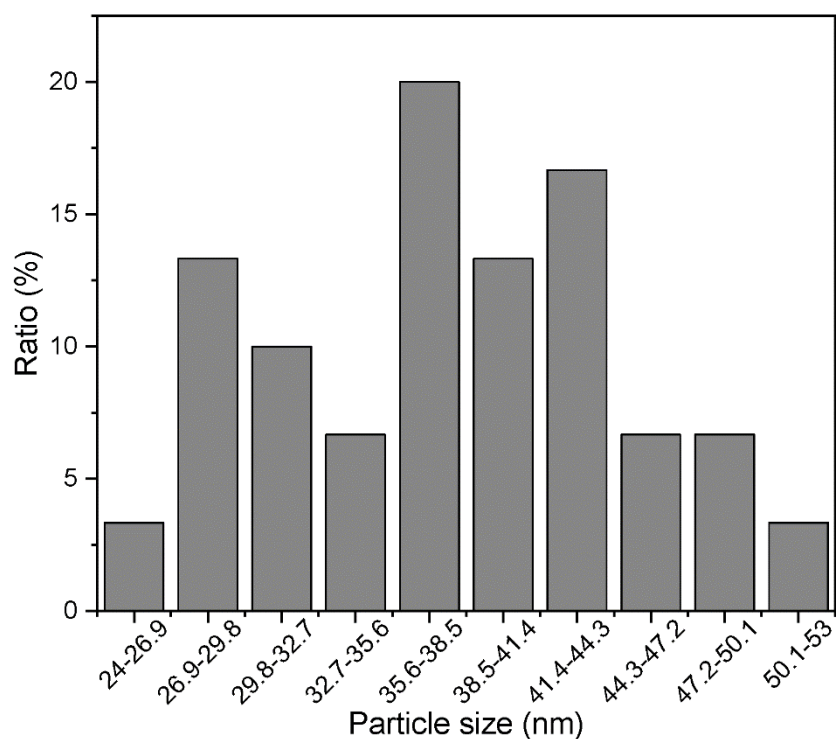
Target gene	Accession No.	Forward (5'–3')	Reverse (5'–3')
R-GAPDH	NM_017008.4	CTGGAGAAACCT GCCAAGTATG	GGTGAAGAATGGG AGTTGCT
R-VEGF	NM_001110333.2	GCACTGGACCCT GGCTTTACT	AACTTCACCACTTCA TGGGCTTT

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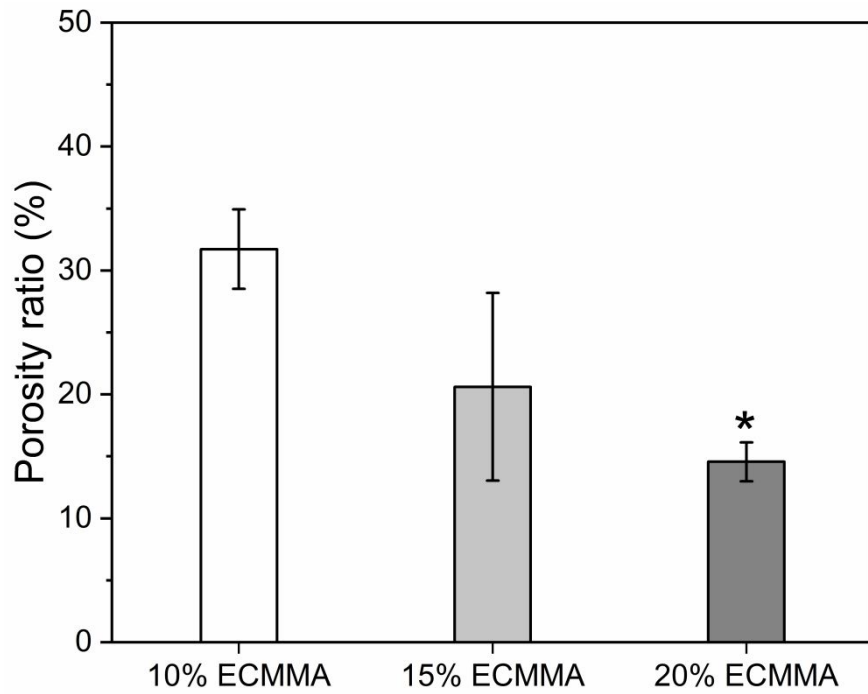
R-HIF1A	NM_024359.2	CTACAAGAAACC	GGCTCATAACCCAT
		GCCTATGACG	CAACTCAG
R-ANG1	NM_001006992.2	GCCAGTCTCCCT	GACTCATCAAAGTG
		TCCAGATCAC	GACAGGCAA
R-ANG2	NM_001012359.2	TGAGAATGGCTT	TTTCTAGCCCCTGAC
		GCCTGTCC	AATGAAC
R-TNFA	NM_012675.3	CCAGGTTCTCTT	GGTATGAAATGGCA
		CAAGGGACAA	AATCGGCT
R-IL1B	NM_031512.2	TGTGACTCGTGG	CCACTTGTGGCTTA
		GATGATGAC	TGTTCTGTC
R-NFKB	NM_199267.2	CAGATAACCACTA	CTCCAGGTCTCGCTT
P65		AGACGCACCC	CTTCACA
R-MMP9	NM_031055.2	ATTCAGGGAGAT	GCCATGCTCCGTGT
		GCCCACTTC	AGAGATTC
H-GAPDH	NM_002046	GGAAGCTTGTC	TGATGACCCTTTTGG
		TCAATGGAAATC	CTCCC
H-ANG1	NM_001146.5	CAGGAGGATGGT	TAGTGCCACTTTATC
		GGTTTGATG	CCATTCAG
H-ANG2	NM_001118887.2	GACACACCACGA	CCATCCTCACGTCGC
		ATGGCATCT	TGAATAA
H-HIF1A	NM_001243084.1	TGATTGCATCTC	GACTCAAAGCGACA
		CATCTCCTACC	GATAACACG
H-TGFB	NM_000660.7	CCCACAACGAAA	GCTGAGGTATCGCC
		TCTATGACAAG	AGGAAT
H-VEGF	NM_001025366.2	GGAGGGCAGAAT	GCTCATCTCTCCTAT
		CATCACGA	GTGCTGG
H-MMP9	NM_004994.3	CCAGTCCACCCT	TGCCACCCGAGTGT
		TGTGCTCTT	AACCAT
M-GAPDH	NM_008084.2	CCTCGTCCCGTA	TGAGGTCAATGAAG

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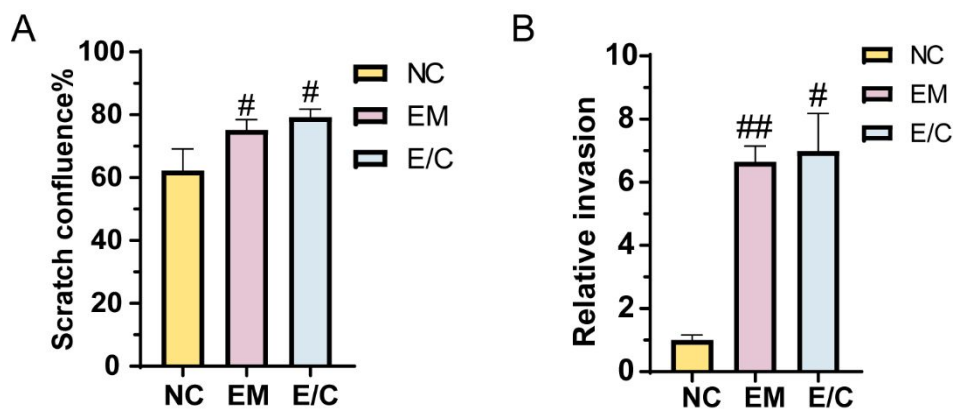
		GACAAAATG	GGGTCGT
M-IL1B	NM_008361.4	GCATCCAGCTTC	TGTTTCATCTCGGAGC
		AAATCTCGC	CTGTAGTG
M-IL10	NM_010548.2	AATAAGCTCAA	CATCATGTATGCTTC
		GACCAAGGTGT	TATGCAGTTG
M-TGFB	NM_011577.2	GCTGAACCAAGG	GGCTGATCCCGTTG
		AGACGGAATA	ATTTCC
M-TNFA	NM_001278601.1	CCCTCACACTCA	CTTTGAGATCCATGC
		CAAACCACC	CGTTG
M-NFKB	NM_001365067.1	CGAGTCTCCATG	TTTCGGGTAGGCAC
P65		CAGCTACG	AGCAATA



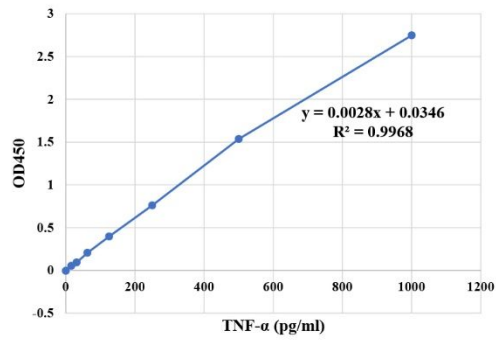
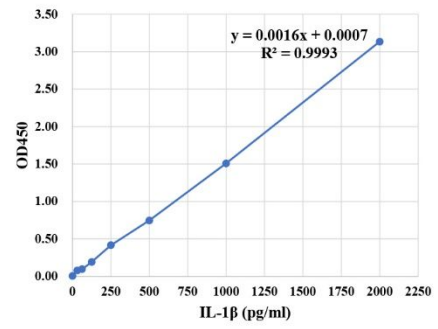
**Figure S1.** Particle size distribution of Cu-EGCG capsules



**Figure S2.** The porosity ratio of EM hydrogels. (\*P<0.05)



**Figure S3.** The statistical results of scratch wound-healing assays(A) and invasion assays (B).

**A****B**

**Figure S4.** ELISA standard curves of TNF- $\alpha$  (A) and IL-1 $\beta$  (B).