

Decellularized Scaffold of Porcine Uterus Reconstructs the Endometrial Microenvironment to Promote Uterine Epithelial Cell Differentiation and Organoid Formation

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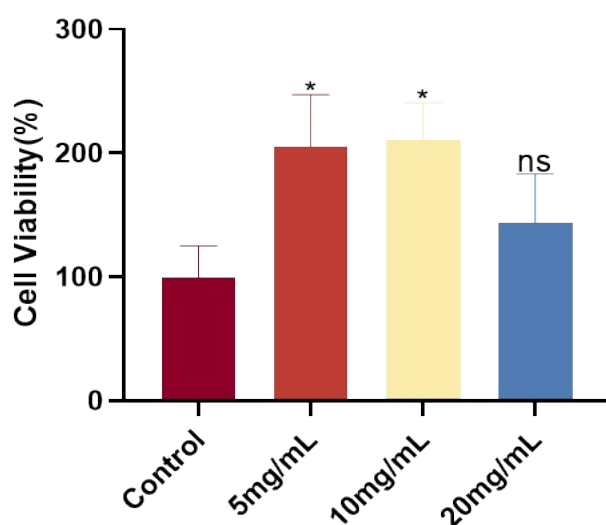
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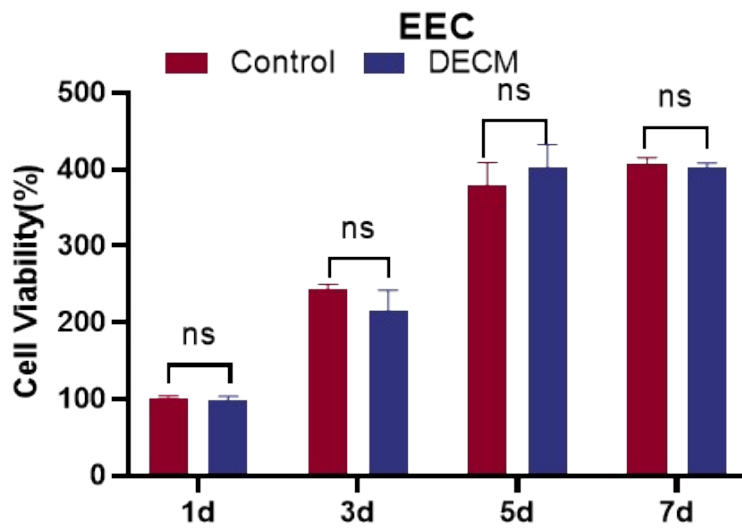
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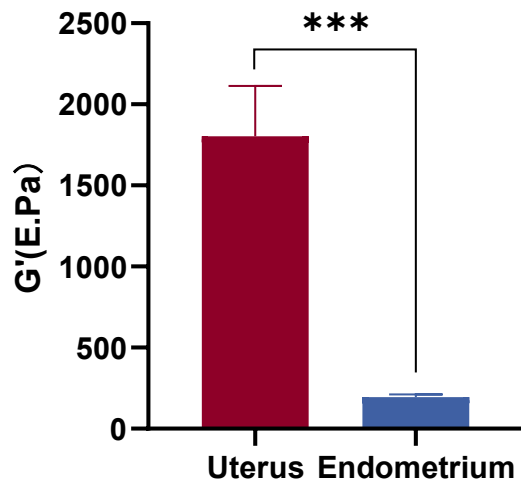
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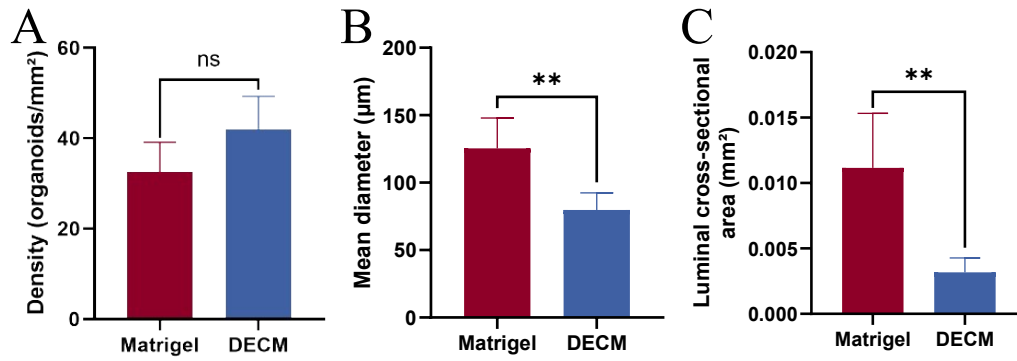
S 1 Effect of DECM scaffold extracts at different concentrations on the proliferation of human umbilical vein endothelial cells (HUVECs). Data are expressed as mean \pm standard deviation (SD), each experiment was repeated three or more times, and one-way analysis of variance was used for statistical analysis (ns, $p > 0.05$; *, $p < 0.05$).



S 2 Effects of DECM extract on proliferation of endometrial epithelial cells (EECs). Data are expressed as mean \pm standard deviation (SD), each experiment was repeated three or more times, and two-way analysis of variance was used for statistical analysis (ns, $p > 0.05$).



S 3 Elastic modulus of natural porcine uterine tissue and the endometrium. Data are expressed as mean \pm standard deviation (SD), each experiment was repeated three or more times, and t-test analysis of variance was used for statistical analysis (***, $p < 0.001$).



S 4 Quantitative characterization of EEOs cultured in Matrigel and recellularized porcine endometrial decellularized scaffolds.

(A) Number of EEOs per field of view cultured in Matrigel and recellularized porcine endometrial decellularized scaffolds; (B) Dimensions of EEOs cultured in Matrigel and recellularized porcine endometrial decellularized scaffolds; (C) Luminal cross-sectional area of EEOs cultured in Matrigel and recellularized porcine endometrial decellularized scaffolds. Data are expressed as mean \pm standard deviation (SD), each experiment was repeated three or more times, and t-test analysis of variance was used for statistical analysis (**, $p < 0.01$).