

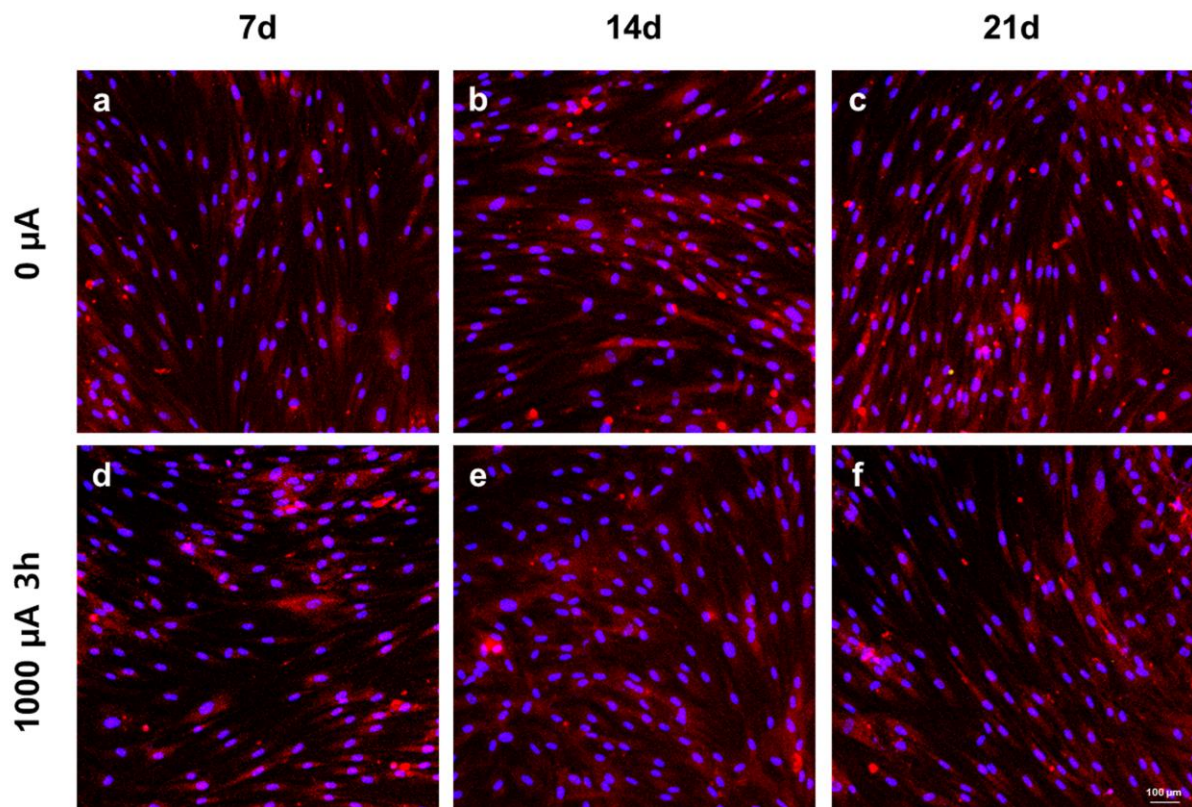
Homogeneity evaluation of mesenchymal stem cells based on electrotaxis analysis

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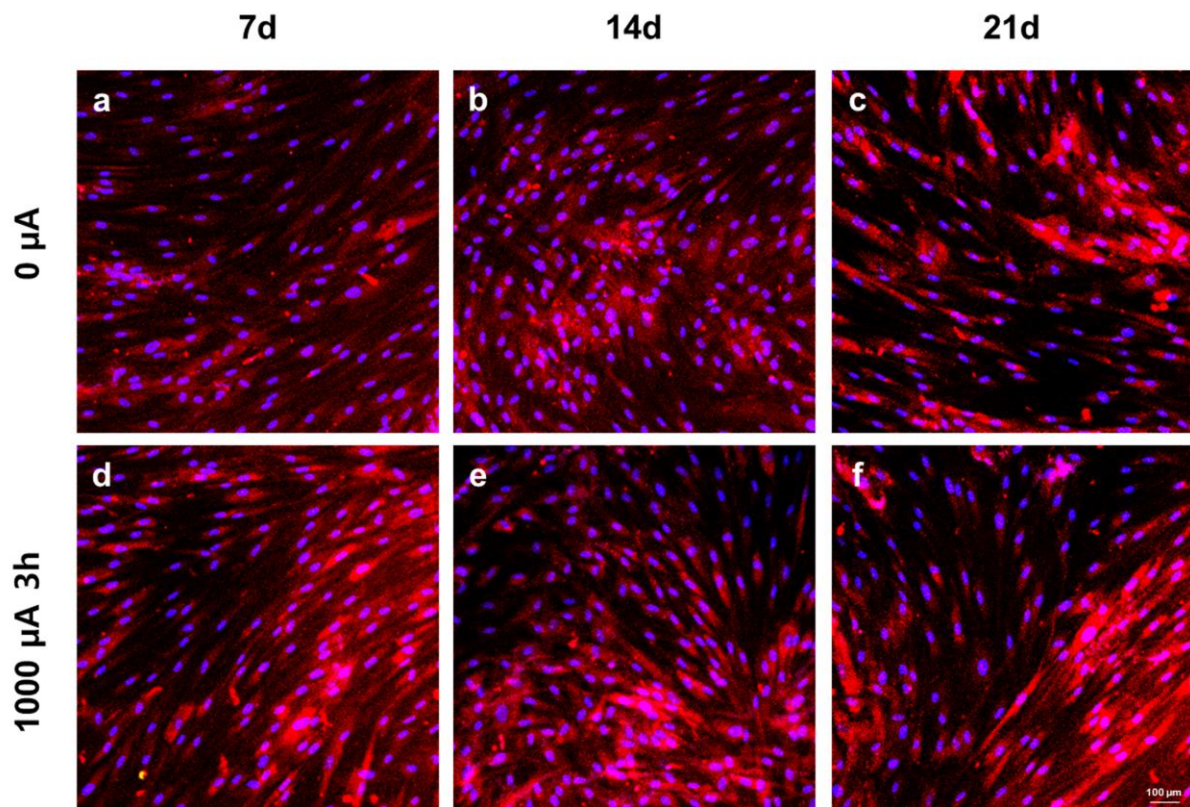
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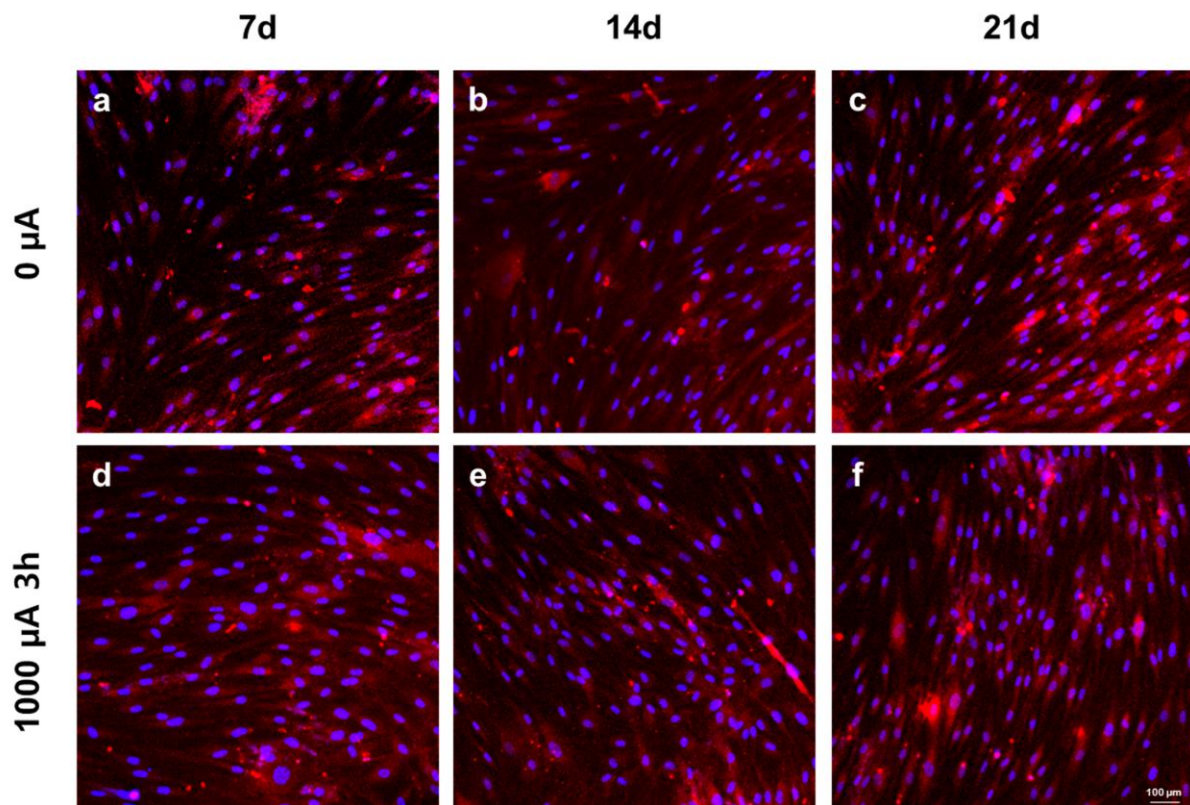
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Supplementary figure S1. The effect of direct electric current on ADSC osteogenic differentiation. The fluorescence images of ADSC cultured in ADSCGM at (a) 7d, (b) 14d, (c) 21d without electric treatment. The fluorescence images of ADSC cultured in ADSCGM at (a) 7d, (b) 14d, (c) 21d after 1000 μA of 3h electric treatment (nuclei: Hoechst, blue / stem cell marker: CD-105, red / osteogenic differentiation marker: RUNX2, green). Scale bar = 100 μm .



Supplementary figure S2. The effect of direct electric current on hMSC osteogenic differentiation. The fluorescence images of hMSC cultured in MSCGM at (a) 7d, (b) 14d, (c) 21d without electric treatment. The fluorescence images of ADSC cultured in MSCGM at (a) 7d, (b) 14d, (c) 21d after 1000 μA of 3h electric treatment (nuclei: Hoechst, blue / stem cell marker: CD-105, red / osteogenic differentiation marker: RUNX2, green). Scale bar = 100 μm .



Supplementary figure S3. The effect of direct electric current on TMSC osteogenic differentiation. The fluorescence images of TMSC cultured in DMEM at (a) 7d, (b) 14d, (c) 21d without electric treatment. The fluorescence images of TMSC cultured in DMEM at (a) 7d, (b) 14d, (c) 21d after 1000 μ A of 3h electric treatment (nuclei: Hoechst, blue / stem cell marker: CD-105, red / osteogenic differentiation marker: RUNX2, green). Scale bar = 100 μ m.