

ELIXCYTE®, an allogenic adipose-derived stem cell product, mitigates osteoarthritis by reducing inflammation and preventing cartilage degradation in vitro

Yu-Hsiu Chen ¹, Yi-Pei Hung ², Chih-Ying Chen ², Yi-Ting Chen ², Tai-Chen Tsai ², Jui-Jung Yang ³ and Chia-Chun Wu ^{3,*}

SUPPLEMENTARY MATERIALS

Supplementary Table

Table S1. Primer sequence used in the study.

Gene name	Forward primer	Reverse primer
<i>GAPDH</i>	CACATGGCCTCCAAGGAGTAA	TGAGGGTCTCTCTCTTCCTCTTGT
<i>COL2A1</i>	ACTGGATTGACCCCAACCAA	TCCATGTTGCAGAAAACCTTCA
<i>ACAN</i>	TGCATTCCACGAAGCTAACCT	GACGCCTCGCCTTCTTGA
<i>MMP13</i>	TGTTGCTGCGCATGAGTTC	TGCTCCAGGGTCCTTGGA
<i>IDO1</i>	GCCTGATCTCATAGAGTCTGGC	TGCATCCCAGAACTAGACGTGC
<i>PTGS2</i>	AGGGTTGCTGGTGGTAGGAA	GGTCAATGGAAGCCTGTGATACT
<i>IL10</i>	TGAGAACAGCTGCACCCACTT	TCGGAGATCTCGAAGCATGTTA
<i>TGFB1</i>	TACCTGAACCCGTGTTGCTCTC	GTTGCTGAGGTATCGCCAGGAA
<i>FGF1</i>	ATGGCACAGTGGATGGGACAAG	TAAAAGCCCGTCGGTGTCCATG
<i>FGF2</i>	AGCGGCTGTACTGCAAAAACGG	CCTTTGATAGACACAACCTCCTCTC

Supplementary Figures.

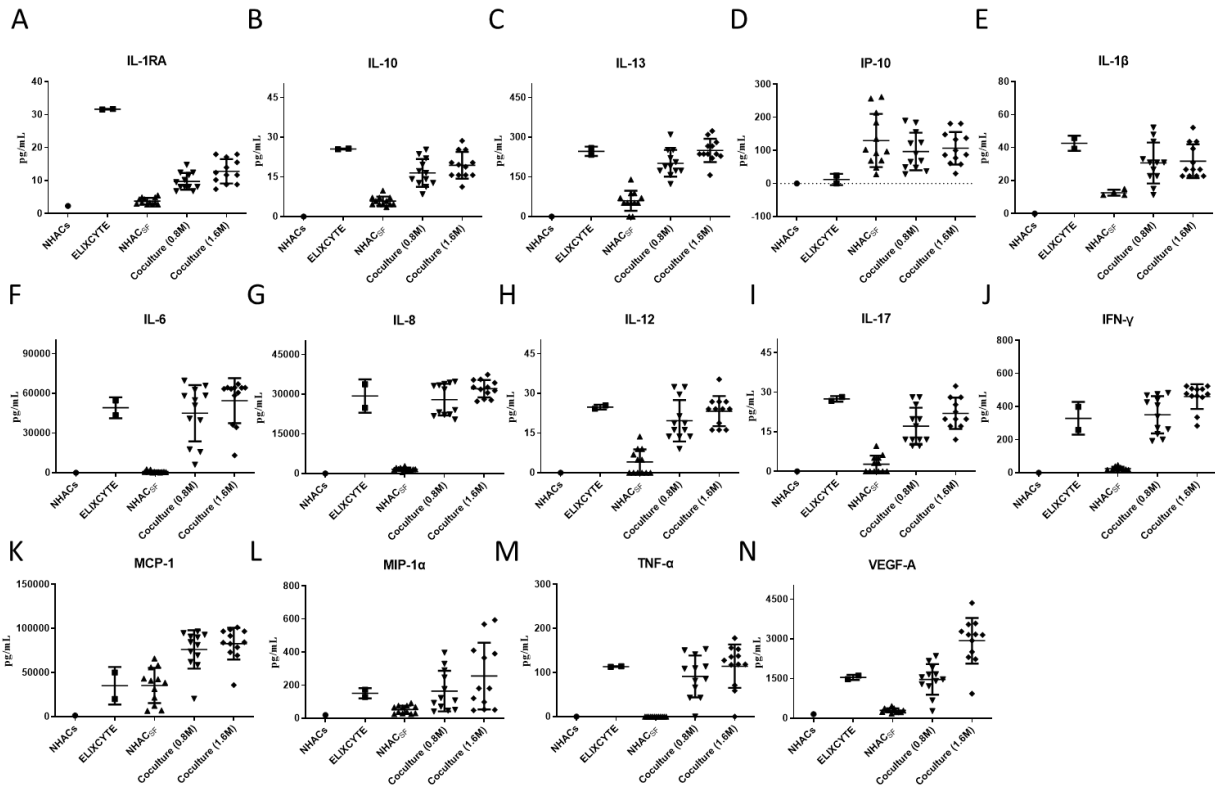


Figure S1. Release of cytokines/chemokines/growth factors among different condition media.

To observe the change of cytokines/chemokines/growth factors, we designed 6 groups, including NHACs, ELIXCYTE®, NHAC_{SF}, Coculture (0.8M) and Coculture (1.6M). (A–N) The secretion of IL-1RA (A), IL-10 (B), IL-13 (C), IP-10 (D), IL-1 β (E), IL-6 (F), IL-8 (G), IL-12p70 (H), IL-17A (I), IFN γ (J), MCP-1 (K), MIP-1 α (L), TNF- α (M), and VEGF-A (N) in supernatant of each group was detected. Data are presented as mean \pm SD.