

Deriving extracellular matrix from hES cells and human iPS cells (Technion)

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The extracellular matrix (ECM) composition affects the cell attachment, migration, proliferation and 3D arrangement. This new invention uses differentiated human embryonic stem (hES) cells or human induced pluripotent stem cells (iPS) to generate ECM for surgical applications. This new invention may be used as a biological a-cellular scaffold with the advantages of homogeneity, availability, bioactivity, biocompatibility and safety for surgical application.

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