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(54) Title: METHOD OF FORMING MESENCHYMAL STEM CELLS FROM EMBRYONIC STEM CELLS

(57) Abstract: This invention relates to methods of producing a substantially homogenous population of mesenchymal stem cells derived from embryonic stem cells. Also, disclosed is a homogenous population of mesenchymal stem cells capable of further differentiating into a variety of specific cell types, characterized by various morphological factors and cell-specific markers. The compositions and methods described in this disclosure are useful for a variety of commercially important diagnostic, drug screening, and therapeutic applications.

WO 2005/111197 A1