

TITLE

METHOD OF DISTINGUISHING MESENCHYMAL STEM CELLS AND METHOD OF DETERMINING PURITY OF MESENCHYMAL STEM CELLS

ABSTRACT

A method of distinguishing mesenchymal stem cells (MSCs) from fibroblasts is provided. Also provided is a method of increasing a purity of mesenchymal stem cells (MSCs) population in a cell culture. The above-mentioned methods each comprise a step of sorting or isolating the cells by a marker of CD146 from a cell culture derived from a placenta-related tissue. Further provided is a method of assessing purity of mesenchymal stem cells (MSCs) in a cell culture derived from a placenta-related tissue, comprising determining the percentage of cells expressing CD146 in the culture.

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