

ABSTRACT

The present invention relates to a method of extracting mesenchymal stem cells from human or animal embryo, comprising: A. taking the sample based on human or animal embryo, centrifuging the sample; B. digesting the sample with enzyme digestion solution, and making single cell suspension, wherein said enzyme digestion solution comprises trypsin-EDTA and collagenase IV; C. adding mesenchymal stem cell culture medium A to the isolated single cells, inoculating and culturing the cells; D. treating the cells with adherence purification, and obtaining mesenchymal stem cells by magnetic sorting. The present invention also relates to a method of extracting the secretion product from mesenchymal stem cells, the use of the secretion product in the aspects of cosmetic and healthcare, and an epidermal cell repairing lotion made using the secretion product. In the process according to the present invention of extracting mesenchymal stem cells from human or animal embryo, the mixture of trypsin-EDTA and collagenase IV is used as the enzyme digestion solution, enabling to obtain the maximal number of single cells, while reducing cell damage to the lowest level.



162162

G00002