

STEM CELL PRIMING COMPOSITION AND PRIMED STEM CELL

【ABSTRACT】

The present invention relates to a composition, comprising: TNF- α , IFN- γ , and IFN- α ; or TNF- α , IFN- γ , IFN- α , and a vitamin, for enhancing immunomodulatory and inflammation-modulating ability of stem cells, and a method for preparing stem
5 cells having improved immunomodulatory and inflammation-modulating ability by using same. Treatment of stem cells with: TNF- α , IFN- γ , and IFN- α ; or TNF- α , IFN- γ , IFN- α , and a vitamin according to the present invention leads to upregulation of the expression of factors associated with the immunoregulatory activity and anti-inflammatory effects of stem cells and thus enables the preparation of functionally
10 reinforced stem cells. The functionally reinforced stem cells thus prepared can find a wide spectrum of applications in various immune, inflammatory disease therapy fields.

<Fig. 6>