

ABSTRACT

The present disclosure relates to a medium composition for culturing stem cells, and more specifically, to a medium composition for culturing mesenchymal stem cells, in which the medium composition includes a basic medium in which various quasi-completed mediums (DMEM, α -MEM, IMDM, F12, and DMEM/F12) are mixed, L-ascorbic acid 2-phosphate, fetal bovine serum, basic fibroblast growth factors (b-FGF), insulin, N-acetyl-L-cysteine, calcium chloride, and hydrocortisone.

According to the present disclosure, it is capable of improving proliferation ability and differentiation ability of the mesenchymal stem cells, and is capable of producing cell therapy products more economically using the mesenchymal stem cells by enabling the mesenchymal stem cells to be cultured at a low price compared to the existing culturing methods.