NEW UNDIFFERENTIATED STEM CELL REMOVAL AND MYOCARDIAL PURIFICATION AND REFINEMENT CULTURE MEDIUM

ABSTRACT

The present invention has as its object to find out new conditions that make it possible to induce cell death of non-cardiomyocytes or undifferentiated stem cells more completely and to select cardiomyocytes only.

In order to achieve this object, there are provided in the present application: a cell culture medium for use in inducing cell death of undifferentiated stem cells, wherein the cell culture medium is free of glutamine in the amino acid profile; and also a method for inducing cell death of non-cardiomyocytes by performing cell culture in said cell culture medium. Further provided in this application are: a cell culture medium for use in selecting cardiomyocytes, wherein the cell culture medium is supplemented with lactate, pyruvate or a fatty acid, free of sugar, and free of glutamine in the amino acid profile; and also a method for selecting cardiomyocytes by culturing a mixture of cardiomyocytes and non-cardiomyocytes in said cell culture medium.