Abstract

MICROCARRIERS FOR STEM CELL CULTURE

A method of culturing human multipotent stem cells in suspension culture on a microcarrier and or methods of differentiating a multipotent stem cells .We disclose a method of propagating human stem cells, the method comprising: providing first and second human stem cells attached to first and second respective particles, allowing the first human stem cell to contact the second human stem cell to form an aggregate of cells and culturing the aggregate to propagate the human stem cells for at least one passage. A method of propagating human embryonic stem cells (hESCs) in long term suspension culture using microcarriers coated in Matrigel or hyaluronic acid is also disclosed. We also disclose a method for differentiating stem cells.

Figure 2