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(54) **Title:** METHOD

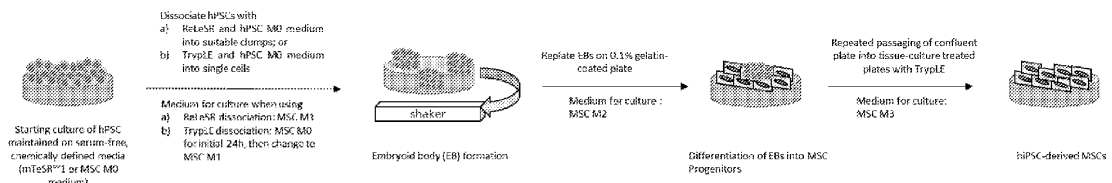


Figure 1

- (57) **Abstract:** The present invention relates generally to the field of stem cell differentiation. In particular, the invention relates to a serum-free method for differentiating stem cells into multipotent mesenchymal stromal cells (MSCs). The invention also relates to serum-free media for cell culture. In an aspect of the present invention, there is provided a serum-free composition for differentiating pluripotent stem cells into multipotent MSCs, the composition comprising Dulbecco's Modified Eagle Medium (DMEM), KnockOut™ Serum Replacement (KOSR) and GlutaMAX.

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