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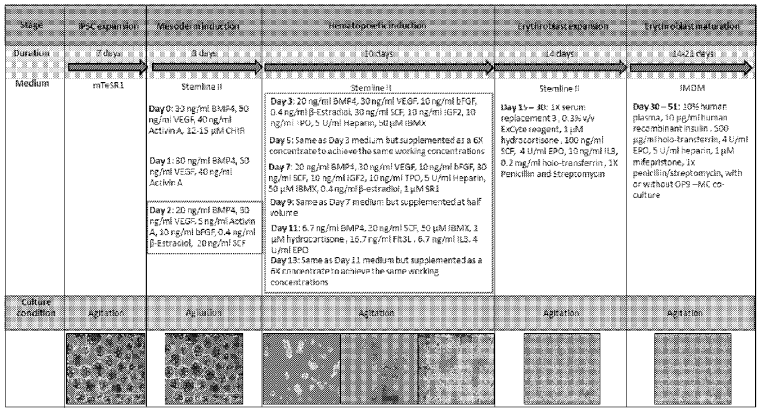
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(54) Title: METHOD FOR DIFFERENTIATION OF HUMAN PLURIPOTENT STEM CELL LINES IN SUSPENSION CULTURE

FIG. 26

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(57) **Abstract:** Described herein are methods of differentiation of pluripotent stem cells into hematopoietic precursor cells, hematopoietic progenitor cells, erythroblast cells, and enucleated erythroblast cells, wherein the method is carried out under suspension agitation, and a GSK-3-inhibitor or a Wnt pathway activator is added during a stage of mesoderm induction. In the preferred embodiment, the pluripotent stem cells are expanded in agitated microcarrier culture and the GSK-3-inhibitor is CHIR99021. Also disclosed herein are cell culture media for use in the methods disclosed herein, as well as kits for performing the same.

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