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(54) Title: REPROGRAMMING SOMATIC CELLS ON MICROCARRIERS

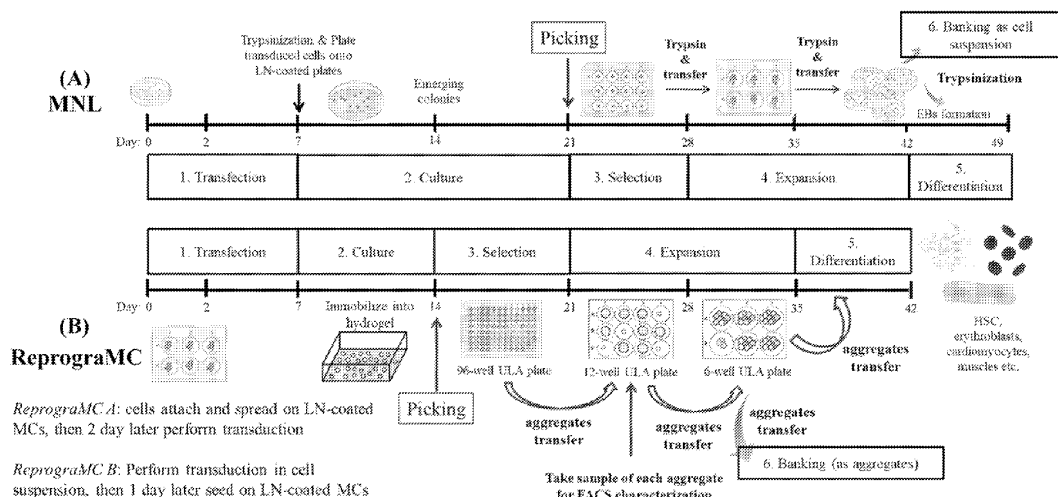


FIG. 1

(57) Abstract: Disclosed is a method of reprogramming somatic cells into induced pluripotent stem cells (iPSCs). The reprogramming may occur on microcarriers, wherein the somatic cells are seeded on the microcarriers for reprogramming. Also disclosed is a method of producing, selecting, expanding, characterising, and differentiating iPSC. Further disclosed is a method of reprogramming somatic cells selected from the group consisting of fibroblast IMR90, fibroblast HFF-01, PBMC, CD3+T cells, and CD 34+ hematopoietic stem cells (HSCs) into iPSCs.

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