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ACTION

(54) Title: ENGINEERING THREE-DIMENSIONAL TISSUE STRUCTURES USING DIFFERENTIATING EMBRYONIC STEM CELLS

(57) Abstract: A method of producing a tissue engineering construct. The method includes providing a population of embryonic stem cells, seeding the embryonic stem cells on a cell support matrix, and exposing the embryonic stem cells to at least one agent selected to promote differentiation of the stem cells along a predetermined cell lineage or into a specific cell type. The step of exposing may be performed before or after the step of seeding.

WO 2004/053096 A3