METHODS AND COMPOSITIONS FOR PRODUCING HEPATOCYTE-LIKE CELLS

ABSTRACT

Methods are provided for producing a population of hepatocyte-like cells (iHeps) from a population of adipocyte-derived stem cells (ASCs). Aspects of the methods include placing a population of ASCs into a three dimensional culture (e.g., hanging drop suspension culture, high density culture, spinner flask culture, microcarrier culture, etc.), and contacting the cells with a first and second culture medium. Also provided are methods of treating an individual, which include producing a population of iHeps from a population of ASCs, and administering an effective number of iHeps into the individual. Kits for practicing the methods are also described herein.

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