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(54) Title: NOVEL METHODS FOR THE IN-VITRO IDENTIFICATION, ISOLATION AND DIFFERENTIATION OF VASCULOGENIC PROGENITOR CELLS

(57) Abstract: A simplified and inexpensive method for the in-vitro identification, isolation and culture of human vasculogenic progenitor cells is provided. The method and the progenitor cells provided herein can be used for in-vitro vascular engineering, treatment of congenital and acquired vascular and hematological abnormalities, for evaluation and development of drugs affecting vasculo- and angiogenic processes, and for further investigation into tissue differentiation and development.

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