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(54) Title: DEDIFFERENTIATED, PROGRAMMABLE STEM CELLS OF MONOCYTIC ORIGIN, AND THEIR PRODUCTION AND USE

(57) Abstract: The invention relates to the production of adult dedifferentiated, programmable stem cells from human monocytes by cultivation of monocytes in a culture medium which contains M-CSF and IL-3. The invention further relates to pharmaceutical preparations, which contain the dedifferentiated, programmable stem cells and the use of these stem cells for the production of target cells and target tissue.