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(54) Title: METHODS OF PRODUCING HAEMOGENIC ENDOTHELIAL CELLS FROM PLURIPOTENT STEM CELLS

(57) Abstract: This invention relates to the production of haemogenic endothelial cells (HECs). A population of induced pluripotent stem cells (iPSCs) is differentiated into mesoderm cells by culturing the iPSCs sequentially in first, second and third mesoderm induction media to induce differentiation into mesoderm cells. The mesoderm cells are then differentiated into HECs by culturing the mesoderm cells sequentially in first and second haemogenic endothelium (HE) induction media to induce differentiation into HECs. The HECs may be further differentiated into hematopoietic progenitor cells (HPCs) and progenitor T cells.

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