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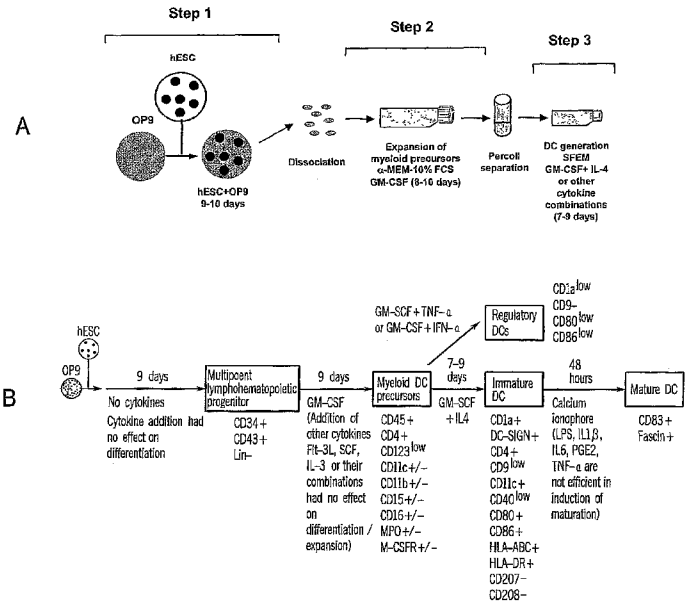
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(54) Title: METHOD OF FORMING DENDRITIC CELLS FROM EMBRYONIC STEM CELLS



(57) Abstract: This invention relates to the culture of dendritic cells from human embryonic stem (ES) cells. Human ES cells are first cultured into hematopoietic cells by co-culture with stromal cells. The cells now differentiated into the hematopoietic lineage are then cultured with GM-CSF to create a culture of myeloid precursor cells. Culture of the myeloid precursor cells with the cytokines GM-CSF and IL-4 causes functional dendritic cells to be generated. The dendritic cells have a unique phenotype, as indicated by their combination of cell surface markers.

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