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[Continued on next page]

(54) Title: DIFFERENTIATION OF HUMAN EMBRYONIC STEM CELLS INTO PANCREATIC ENDODERM

Fig 1A

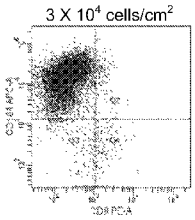


FIG 1B

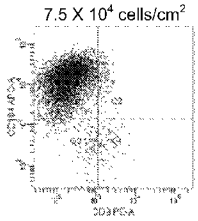


FIG 1C

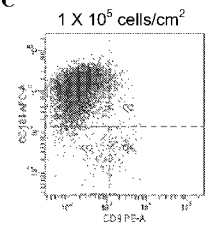


FIG 1D

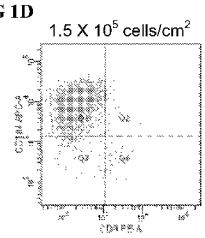


FIG 1E

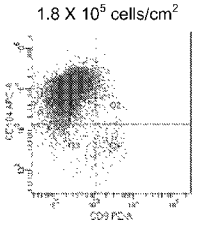
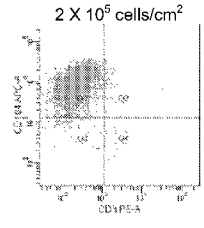


FIG 1F



(57) Abstract: The present invention provides methods to promote the differentiation of pluripotent stem cells. In particular, the present invention provides methods to produce a population of pancreatic endoderm cells, wherein the initial seeding density of undifferentiated epluripotent cells is defined.

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Declarations under Rule 4.17:

— *as to the identity of the inventor (Rule 4.17(i))*

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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