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(54) Title: CULTURED HUMAN PANCREATIC ISLETS, AND USES THEREOF

(57) Abstract: A method of generating cells capable of secreting insulin is disclosed. The method comprises subjecting mammalian embryonic stem cells to set of culturing conditions suitable for differentiation of at least a portion thereof into cells displaying at least one characteristic associated with a pancreatic islet cell progenitor phenotype, and subjecting such differentiated cells to a set of culturing conditions suitable for formation of surface bound cell clusters including insulin producing cells.

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