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(54) Title: MONITORING POPULATIONS OF CELLS PRODUCING BIOMOLECULES

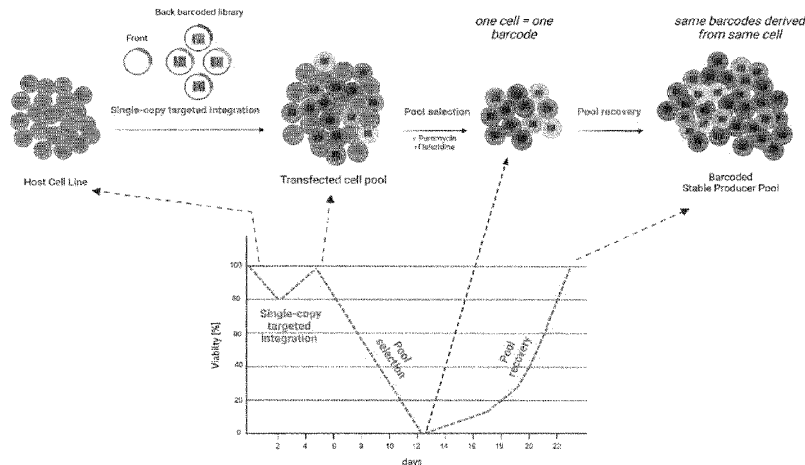


Figure 1C

(57) Abstract: The present disclosure relates to analysis of cells obtained by: (a) contacting a population of cells with a plurality of vectors comprising nucleotide sequences providing for targeted integration of a polynucleotide of interest comprising an identifier sequence into the genomic DNA of a cell under conditions suitable for introducing the vectors into the cells, wherein in each vector of the plurality of vectors that comprises a polynucleotide of interest, the identifier sequence is unique; and (b) subjecting the cells obtained after step (a) to selection for cells having integrated a polynucleotide of interest into their genomic DNA, in order to evaluate/monitor and/or manipulate their diversity.

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