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(54) Title: SELECTION, PROPAGATION AND USE OF MOSAIC ANEUPLOID STEM CELLS

(57) Abstract: The distribution of cell karyotypes within a population of cells can determine the phenotype and ability of stem cells to differentiate into desired cell types, to function normally, as well as represent risk for adverse events like cancer. Therefore, determination of the aneuploid mosaic status of a cell population is useful in identifying and/or maintaining desirable traits and eliminating undesirable traits in stem cells, and for defining them at the level of their chromosomal complement.



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