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(54) Title: PRODUCTION OF CELL SUSPENSIONS

(57) Abstract: Methods are provided for producing cell suspensions suitable for engraftment and cell products suitable for infusion into a human patient. Some methods include (a) culturing a first population of cells that contains multiple cell types, including a first sub-population of cells of a type suitable for engraftment, under conditions that cause the expansion of the first sub-population of cells, wherein the population of cells further comprises a second sub-population of cells that either inhibit the expansion, or gwo less well under the culture conditions than the cells of the first sub-population, and that are capable of enhancing engraftment; (b) before, during, or following the culturing of step (a), removing from the population cells of the second sub-population; (c) preserving cells of the second sub-population; and (d) following expansion of the cells of the first sub-population, combining cells fo the first sub-population with cells of the preserved second sub-population.