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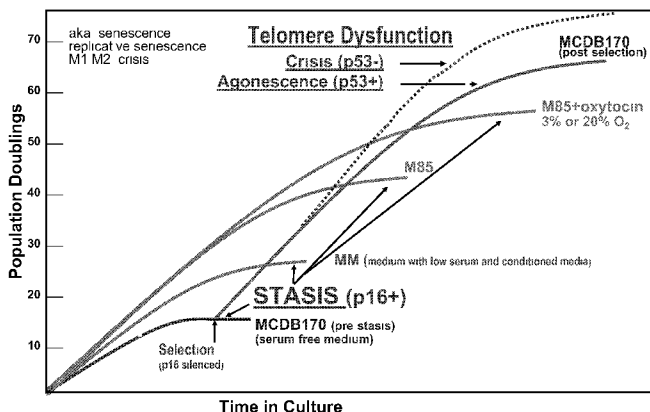
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(54) **Title:** INCREASING CELL CULTURE POPULATION DOUBLINGS FOR LONG- TERM GROWTH OF FINITE LIFE SPAN HUMAN CELL CULTURES



(57) **Abstract:** Cell culture media formulations for culturing human epithelial cells are herein described. Also described are methods of increasing population doublings in a cell culture of finite life span human epithelial cells and prolonging the life span of human cell cultures. Using the cell culture media disclosed alone and in combination with addition to the cell culture of a compound associated with anti-stress activity achieves extended growth of pre- stasis cells and increased population doublings and life span in human epithelial cell cultures.

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B FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) USPC - 435/405, 406, 407 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched 435/375, 408 (text search, see terms below) Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST (PGPB,USPT,EPAB,JPAB), Google/Scholar, PubMed (text search, see terms below) Search Terms Epithelial, myoepithelial, mammary, media, oxytocin, BSA, bovine serum albumin, O sub 2, MCDB170, Stampfer		
C DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X ----- Y	Sapino et al Oxytocin enhances myoepithelial cell differentiation and proliferation in the mouse mammary gland Endocrinology, 1993, vol 133, pp 838-842, particularly Abstract, (page 838, para 4), (page 839, paras 4 and 9), (page 840, paras 1 and 2)	32 ----- 11-21, 26, 27
Y	US 4,423,145 A (STAMPFER et al) 27 December 1983 (27 12 1983), particularly (col 1, ln 18-24), (col 2, ln 3-5), (col 3, ln 14-54 and ln 67-68), (col 4, ln 1-3 and 21-37), (col 5, ln 47-52), (col 6, ln 58-59)	1-31 1-31
Y	Applicant's Admitted Prior Art, Para [054], [055]	
Y	US 6,692,961 B1 (JUDD et al) 17 February 2004 (27 02 2004), particularly (col 3, ln 38-45), (col 4, ln 57-61)	3, 16-18, 24, 28
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