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(54) Title: SERUM FREE MEDIA FOR SUSPENSION CULTURE OF MAMMALIAN LIVESTOCK PLURIPOTENT STEM CEL-
LS

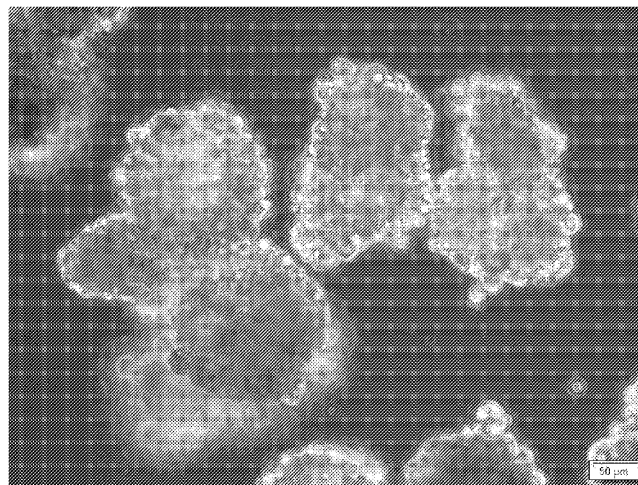


Fig. 7

(57) Abstract: Provided are defined serum-free culture media comprising a basal medium, serum replacement and an effective concentration of at least one differentiation inhibiting agent, wherein the defined culture medium is capable of maintaining mammalian livestock pluripotent stem cells in an undifferentiated state for at least 5 passages in culture, wherein the basal medium is selected suitable for maintaining pluripotent stem cells in an undifferentiated state, wherein the serum replacement comprises insulin and transferrin, and wherein the serum replacement is devoid of selenium. Also provided are methods of maintaining mammalian livestock pluripotent stem cells in an undifferentiated state, comprising culturing the mammalian livestock pluripotent stem cells in the defined culture medium.

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