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(54) Title: SERUM-FREE MEDIUM FOR DIFFERENTIATION OF A PROGENITOR CELL

(57) Abstract: The invention relates inter alia to a method for differentiating a muscle progenitor cell, comprising the step of: - culturing a muscle progenitor cell in a serum-free medium for differentiating a muscle progenitor cell, wherein said serum-free medium comprises - at least one differentiation inducer selected from the group consisting of a lysophosphatidic acid receptor 1 (LPA1) agonist, a lysophosphatidic acid receptor 3 (LPA3) agonist, an oxytocin receptor (OXTR) agonist, a glucagon receptor (GCGR) agonist, a lactate and a Notch signaling pathway inhibitor.



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