

Title (en)

METHOD FOR PREPARING A CARTILAGINOUS NEO-TISSUE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES NEUEN KNORPELGEWEBES

Title (fr)

PROCEDE DE PREPARATION D'UN NEO-TISSU CARTILAGINEUX

Publication

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Application

EP 02757749 A 20020329

Priority

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Abstract (en)

[origin: WO02078760A1] The invention concerns the preparation of a cartilaginous neo-tissue capable of being grafted. The method consists in: a) culturing chondrogenic cells, which are either autologous chondrocytes or cells precursors of chondrocytes prepared in vitro from pluripotent stem cells; b) contacting said chondrogenic cells with a chitosan hydrogel, having preferably a degree of acetylation ranging between 40 and 60 %, whereof the amphiphilic properties and the degree of acetylation is such that said cells adhere naturally to the outer surface of said hydrogel; c) covering the hydrogel/cell assembly thus obtained with a culture medium; and d) allowing a cartilaginous neo-tissue to develop in contact with the chitosan hydrogel during a minimum period of two weeks, frequently renewing the culture medium.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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