

Reference Number: 025418/0070

Title of the Invention

METHOD OF PRODUCING NATURE IDENTICAL CARTILAGE TISSUE VIA GENE DELIVERY

Invention

The present invention relates to method of cultivating rat mesenchymal stem cells to which tissue transglutaminase gene (variant 2) is delivered by lentiviral transduction, on three dimensional poly (1, 4-butylene succinate) / poly (L-lactic acid) tissue scaffolds. The objective of the present invention is to cultivate the cells to which gene delivery is performed using lentivirus, on polymeric tissue scaffolds, and then to use them in cartilage tissue defects and tissue regeneration.

Current Status

TURKEY: Pending

Keywords

Cartilage tissue defects, tissue regeneration.

TRL: 2

Contact:

Yeditepe Üniversitesi Teknoloji Transfer Ofisi (YUTTO)

İnönü Mah. Kayışdağı Cad. 326A 26 Ağustos Yerleşimi Rektörlük Binası Kat:2 Teknoloji Transfer Ofisi 34755 Ataşehir – İSTANBUL

Tel: +90 216 578 00 00 (3980)

e-mail: tto@yeditepe.edu.tr