

Materials List for:

Wet-spinning-based Molding Process of Gelatin for Tissue Regeneration

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Materials

Name	Company	Catalog Number	Comments
Solution preparation:			
Gelatin type B (porcine)	Ferak	Art. -Nr. 10733	500 g vial
Wet spinning process:			
Peristaltic pump	Gilson	Model M312	Minipuls*3
Plastic tube connector	World Precision Instruments	14011	1 box
Syringe	Sterican	5A06258541	26Gx1/2"(0.45 x 12mm)
Acetone	Ferak	Art. -Nr. 00010	2.5 L vial
Polycaprolactone CAPA 6500	Perstorp	24980-41-4	-
Dichloromethane	Scharlau	CL03421000	1 L vial
Hemostat	Shinotec instruments	ST-B021	-
Peripheral venous catheter (Introcan Certo)	B. Braun	1B03258241	24Gx3/4"(0.7 x 19mm)
Morphology of the gelatin tube:			
Ion sputter coater machine	Hitachi	e1010	-
Scanning electron microscopy	Hitachi	S-3000N	-
Cultivation of cells on tube:			
Trypsin-EDTA	Gibco	488625	100 mL vial
Fetal bovine serum	Gibco	923119	500 mL vial
Dulbecco's modified Eagle's medium	Gibco	31600-034	Powder
T25 culture flask	TPP	90025	VENT type
6-well plate	Falcon	1209938	-
Immunocytochemistry:			
Phosphate-buffered saline	Gibco	654471	500 mL vial
Acetic acid glacial	Ferak	Art. -Nr. 00697	500 mL vial
NP-40 surfactant (Tergitol solution)	Sigma	056K0151	500 mL vial
Normal goat serum	Vector Laboratories	S-1000-20	20 mL vial, concentrate
Nestin (primary antibody)	Santa Cruz Biotechnology	SC-23927	-

Donkey anti-mouse-fluorescein isothiocyanate (secondary antibody)	Santa Cruz Biotechnology	SC-2099	-
Hoechst 33342	Anaspec	AS-83218	5 mL vial
<i>In vivo</i> biocompatibility test:			
Tiletamine+zolazepam	Virbac	BC91	5 mL vial
Xylazine	Bayer korea	KR03227	10 mL vial
Ketoprofen	Astar	1406232	2 mL vial
Povidone-iodine solution	Everstar	HA161202	4 L barrel
Cefazolin	China Chemical & Pharmaceutical	18P909	1 g vial
Scalpel Blade	Shinotec instruments	ST-B021	-