

Materials List for:

Creation and Transplantation of an Adipose-derived Stem Cell (ASC) Sheet in a Diabetic Wound-healing Model

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URL: <https://www.jove.com/video/54539>

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Materials

Name	Company	Catalog Number	Comments
α-MEM glutamax	Invitrogen	32571-036	Carlsbad, CA
Fetal bovine serum (FBS)	Japan Bioserum Co Ltd.	S1650-500	
Penicillin/streptomycin	Life Technologies	15140-122	
Collagenase A	Roche Diagnostics	10 103 578 001	Mannheim, Germany
60 cm ² Primaria tissue culture dish	BD Biosciences	353803	Franklin Lakes, NJ
Dulbecco's Phosphate Buffer Saline (PBS)	Life Technologies	1490-144	
0.25% Trypsin-ethylenediamine tetraacetic acid (EDTA)	Life Technologies	25200-056	
L-ascorbic acid phosphate magnesium salt n-hydrate	Wako	013-19641	
35-mm temperature-responsive culture dish (Upcell™)	CellSeed	NUNC-174904	Tokyo, Japan
Microwarm plate (MP-1000)	Kitazato Science Co., Ltd.	1111	
Rodent mechanical ventilator	Stoelting	#50206	Wood Dale, IL
4% isoflurane	Pfizer Japan	114-13340-3	Tokyo, Japan
Artificial skin (Pelnac®)	Smith & Nephew	PN-R40060	Tokyo, Japan
Non-adhesive dressing (Hydrosite plus®)	Smith & Nephew	66800679	Known as Allevyn non-adhessing® in the United State
5-0 nylon suture	Alfresa	EP1105NB45-KF2	
20 CELLSTAR TUBES	greiner bio-one	227 261	
15 mL Centrifuge Tube	Corning Incorporated	430791	
14 GOLDMAN-FOX PERIOSTEAL	Hu-Friedy	P14	Chicago, IL