

Materials List for:

A Method for Islet Transplantation to the Omentum in Mouse

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Materials

Name	Company	Catalog Number	Comments
Equipment			
5 inch (12-13 cm) Scissors	RWD Life Science	S12030-11	
Fine Forceps	RWD Life Science	F11010-13	
Small wound clips	RWD Life Science	R33003-01	
Acutenaculum	RWD Life Science	F31044-13	
2 pair tissue forceps	RWD Life Science	F13023-10	
4-0 Suture with needle	Chenghe, China	17094	
200 µL Pipette and tips	Gilson	PN11	
One Touch ultraeasy Basic blood glucose monitoring system	Johnson & Johnson	33391713	
razor blade	Philips	HC1099/15	
Material and animals			
Pentobarbital Sodium	Sigmaaldrich.com	P3761	For anesthesia
Hydrogel	bdbiosciences.com	356234	Basement Membrane Matrix
Fibrin-Thrombin Hydrogel	Baxter.com	1501250	Components clot when mixed
70% Ethanol	Yingniu medical, Anhui, China	23170608	
Iodophor	Lierkang medical technology, Shangdong, China	170521	
Normal saline	Baxter.com	2B1324	
Cephalosporin	Lukang medical, Shangdong, China	150303	
Cefazolin	Baxter.com	2G3508	
lubricant eye ointment	Major Pharmaceuticals	203964	
streptozotocin	Sigmaaldrich.com	S0130	
collagenase Type V	Sigmaaldrich.com	C9262	
CMRL-1066 media	celltrans, Wenzhou, China	X018D1	
histopaque	Sigmaaldrich.com	10771	density gradient
PE50 tubing	Braintreeesci.com	PE50 100 FT	Polyethylene .023" x .038
Calcein AM	Sigmaaldrich.com	C1359	
Propidium iodide	Sigmaaldrich.com	P4864	

optimal cutting temperature compound (OCT)	Tissue-Tek; Miles, Naperville, IL	4583	embedding medium
insulin antibody	Cell Signaling Technology, Danvers, MA 01923	8138S	
hematoxylin staining media	Cell Signaling Technology, Danvers, MA 01923	14166S	
eosin staining media	Beyotime Biotech, China	C0109	
DAPI	Thermo Fisher Scientific Inc.	D1306	
C57Bl/6 Mice	Medical Animal Center of Guangdong Province	/	
Fetal Bovine Serum	GE Healthcare Life Sciences	SH30084	
T175 flasks	Falcon	353112	
1.5 mL Snap-top tubes	Axygen	MCT-150-C	