

Materials List for:

Intrportal Transplantation of Pancreatic Islets in Mouse Model

Rahul Khatri¹, Birte Hussmann¹, Divya Rawat¹, Ali Osman Gürol², Thomas Linn¹

¹Third Medical Department, Clinical Research Lab

²Istanbul University Department of Immunology, Institute of Experimental Medicine (DETAE)

Correspondence to: Thomas Linn at Thomas.Linn@innere.med.uni-giessen.de

URL: <https://www.jove.com/video/57559>

DOI: [doi:10.3791/57559](https://doi.org/10.3791/57559)

Materials

Name	Company	Catalog Number	Comments
C57Bl/6 mice	Charles River (Sulzfeld, Germany)		(10-12 weeks)
BALB/c mice	Charles River (Sulzfeld, Germany)		(10-12 weeks)
NMRI nude mice	Charles River (Sulzfeld, Germany)		(10-12 weeks)
Ketamine	Bela-pharm		
Xylazine	CEVA TIERGESUNDHEIT GmbH		
Syringe, 23G and 26G needle	BD		
Petri Dish	Falcon	303800	
NaCl	Carl Roth	351007	
Sterile Gauze	Fuhrmann	7647-14-5	
Shaking Water bath	Kotterman	1501	
Scissors	Braun	1501	
Glucose Meter	One Touch		
Warm Thermal Plate	Thermo Fisher		
Braunol (povidone-iodide solution)	B.Braun Melsungen AG	3864154	
Liposic Edo - Sprinkled Ointment (eye ointment)	Dr. G Mann Chem.-Pharm. GmbH		
Incubator	Fa. Roth		
Flow Bench	Herdus		
Ficoll	Sigma-Aldrich	10771	
5-0 Silk Suture Vicryl	Braun		(7.5 *1.75mm)
Michel Clamps (clips)	Aesculap	BN507R	
P/FCS Solution	Gibco	21180-021	
TCM-199 (10x)	Gibco	21180-021	
FCS	Biowest	S1810-500	
Penicillin-streptomycin	Gibco	15140-122	
HEPES (1 M)	Biochrom	L 1613	
Gentamycin	Ratiopharm		
Ciprofloxacin	Fresenius Kabi		
Hank's Solution	Gibco	14060-040	
Collagenase	Roche	11213865001	
Streptozotocin	Calbiochem	572204	
OPSITE-spray (wound healer)	Smith and nephew	66004978	
Reugular food	Altromin		
Head light LED 16042 (magnifying glass)	Eschenbach	16042	

Rat anti-mouse PECAM-1(CD31) monoclonal primary antibody	Millipore, Chemicon	CBL1337	Dilution (1:100)
Donkey anti-rat secondary antibody	Dianova	712095153	Dilution (1:400)
Polyclonal guinea pig anti-insulin primay antibody	Dako	A0564	Dilution (1:500)
Donkey anti-guinea pig secondary antibody	Dianova	706-259-148	Dilution (1:400)