

Materials List for:

Neo-Islet Formation in Liver of Diabetic Mice by Helper-dependent Adenoviral Vector-Mediated Gene Transfer

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Materials

Name	Company	Catalog Number	Comments
ProFectionR Mammalian Transfection kit	Promega	E1200	
DNeasy Blood & Tissue Kit (50)	Qiagen	69504	
PerfeCTa SYBR Green SuperMix, ROX	Quanta Biosciences	95055-500	
Sodium deoxycholate	Sigma	D6750-25G	
MEM powder	Invitrogen	61100087	
Penicillin Streptomycin	Sigma	15140122	
FBS	Atlanta Biologicals	S11150	
L-glutamine	Invitrogen	25030-081	
Hygromycin B	Sigma	H0654-1G	
MEM EAGLE JOKLIK	Sigma	M0518-10L	
Rnase	Roche	10109169001	
DNase I, grade II	Roche	10104159001	
Streptozocin	Sigma	s0130	
Glass spinner flasks	Corning	4500-3L	
Glass spinner flasks	Corning	4500-250	
Slide A-lyzer casset	PIERCE CH	PI66380	
Tube optiseal poly allomer, 11.2 ml	Beckman Coulter	362181	
Cesium chloride 1 kg	JT4042-2	VWR	
Beckman LE-80K	Beckman Coulter	Optimal LE-80K ultracentrifuge	
Filter	VWR	28143-338	
centrifuge tube 500 ml	Corning	431123	
tailveiner restrainer	Braintree scientific , INC	tv-150	
Insulin, Mouse ELISA	Mercodia	10-1247-01	
microvette CB300	Sarstedt	16.443.100	
D-glucose	Sigma	G8270	
Mouse C-peptide ELISA Kit	Wako Pure Chemical Industries, Ltd	#631-07231	
guinea pig anti-insulin antibody	Abcam	ab7842	
goat anti-Pdx1 antibody	gift from Dr. Christopher Wright		
mouse anti Ngn3 antibody	Beta Cell Biology Consortium, Univ. of Pennsylvania	AB2013	
mouse anti Nkx6.1 antibody	Beta Cell Biology Consortium,	F64A6B4	

	Univ. of Pennsylvania		
anti- betacellulin antibody	Cell Sciences	PAAQ1	
ALT (SGPT) Color Reagent SET.	Teco Diagnostics	A526 - 120	
AST/(SGOT), Color Endpoint Reagent Set	Teco Diagnostics	A561-120	

Table 2. Specific Reagents and Equipment.