

Materials List for:

Isolation, Culture, and Imaging of Human Fetal Pancreatic Cell Clusters

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Materials

Name	Company	Catalog Number	Comments
Trehalose SG	Hayashibara	Trehalose SG	
Collagenase XI	Sigma	C-9407	
Hank's Balanced Salt Solution (HBSS)	Life Technologies	24020-117	
RPMI 1640 with glutamate	Life Technologies	11879020	no glucose or HEPES
Human AB Sera, Male Donors	Omega Scientific	HS-30	
Fungizone	Life Technologies	15290018	
Gentamicin Solution 50 mg/ml	Invitrogen	15750060	
1 M Hepes, pH 7.0	Life Technologies	15630080	
Penicillin/streptomycin 100x solution	Life Technologies	15070063	
Glutamax	Life Technologies	35050061	
Hepatocyte Growth Factor (HGF)	Peprotech	100-39	
GLP-1	Peprotech	130-08	
Fetal Bovine Serum	Invitrogen	16000-044	
Dnase	Sigma	DN25	
Sterile Petri dishes, 60 x 15 mm; stackable, venting ribs	Spectrum Laboratory Products, Inc.	D210-13	
PBS	Gibco	14190	
16% PFA	Electron Microscopy Sciences	15710	
Triton X-100	Sigma	T9284	
Donkey Serum	Jackson ImmunoResearch	017-000-121	
BrdU	Life Technologies	00-0103	
anti-insulin (mouse monoclonal; 1:1,000)	Sigma	I2018	
anti-glucagon (mouse monoclonal; 1:2,000)	Sigma	G2654	
PDX1 (mouse monoclonal)	Novus Biologicals	NBP1-47910	
PDX1 (goat polyclonal)	AbCam	47383	
PDX1 (rabbit polyclonal)	AbCam	47267	
Alexa Fluor 546 (rabbit)	Invitrogen	A11010	
Alexa Fluor 546 (mouse)	Invitrogen	A11003	
Alexa Fluor 488 (rabbit)	Invitrogen	A11008	
Alexa Fluor 488 (mouse)	Invitrogen	A11001	
Ki67	Lab Vision Neomarkers	RM 9016-50	
pan-CK (mouse monoclonal; 1:100)	Immunotech	2128	

CK19	AbD Serotech	MCA 2145	
DAPI	Cell Signaling	4083	
HTB9 cell line	ATCC	5637	see Beattie 1997 reference to generate matrix
Agarose	Sigma	A-6013	