

Materials List for:

A System for *ex vivo* Culturing of Embryonic Pancreas

Kristin M. Petzold¹, Francesca M. Spagnoli¹

¹Molecular and Cellular Basis of Embryonic Development, Max-Delbrück-Center for Molecular Medicine

Correspondence to: Francesca M. Spagnoli at francesca.spagnoli@mdc-berlin.de

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Materials

Name	Company	Catalog Number	Comments
Antibodies: Carboxypeptidase E-cadherin F-actin Glucagon Insulin β1-integrin Pdx1 Pdx1 Phospho-Histone H3	AbD Serotec Invitrogen Molecular Probes ImmunoStar Millipore Millipore Abcam Hybridoma bank Cell Signalling	1810-0006 13-1900 A-12373 20076 4011-01 MAB1997 ab47267 F109-D12 9706	
Basal Medium Eagle (BME)	Sigma	B1522-500ML	Kept in sterile conditions
Cell culture grade water	PAA	S15-012	Kept in sterile conditions
Culture dishes (glass-bottomed), 35-mm	MatTek Corporation	P35G-0-20-C	
Donkey Serum	Chemicon	S30-100 ml	
Fetal calf serum Gold	PAA	A15-151	Kept in sterile conditions
Fibronectin	Invitrogen	330100-8	Stock sol. 1 mg/ml in cell culture grade water
Gentamicin	Invitrogen	15750-037	Kept in sterile conditions
Glutamine	Invitrogen	25030-024	Kept in sterile conditions
4-well Multidishes	Nunc	176740	
Microscopes: Inverted Confocal Microscope (LSM 700) Stereomicroscope (Discovery V12)	Zeiss Zeiss		Objectives: C-Apochromat 10X / 0.45 W M27 (work. dist. 1.8 mm; imaging depth ~100 mm); C-Apochromat 40X / 1.2 W Corr M27 (work. dist. 0.28 mm; ~imaging depth 50 μm) Transillumination from below and fiber-optic illumination from above
Paraformaldehyde	Roth	0335.3	Stock solution 20%
Pasteur Pipet (Glass), 150 mm	VWR	HECH567/1	
Penicillin/Streptomycin	PAA	P11-010	Kept in sterile conditions
Petri dishes, 60 mm	Greiner Bio-One	628102	
Petri dishes, 35 mm	Greiner Bio-One	627161	
1X PBS, pH7.4	PAA	H15-002	Kept in sterile conditions
Spring Scissors 8 mm blade curved	Fine Science Tools	15023-10	
Triton-X100	Roth	3051.3	
Watchmaker's forceps Dumont #5	Roth	K342.1	