

Detergent-Free Decellularization of the Human Pancreas for Soluble Extracellular Matrix (ECM) Production

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Materials

Name	Company	Catalog Number	Comments
Corning 1L Easy Grip Polystyrene Storage Bottles with 45mm Caps	ThermoFisher	430518	Container use for decellularization
Cryogenic Mill	SPEX Certiprep	6870-230	
Deoxyribonuclease I from bovine pancreas	Sigma Aldrich	DN25	
Distilled Water	ThermoFisher	15230147	
Falcon 50mL Conical Centrifuge Tubes	Corning	352070	
Human Pancreas	na	na	
Insulin-Elisa	Mercodia	10-1113-01	
Magnesium Chloride, 1M, Sterile	Bio-World	41320004-1	
Pepsin from porcine gastric mucosa	Sigma Aldrich	P7012-5G	
Placenta Basin w/o Lid, Sterile	DeRoyal	32-881	
Polypore chromatography tubes	Bio-rad	731-1500	Polypropylene columns
Quant-iT PicoGreen dsDNA Assay Kit	Invitrogen	P7589	DNA Kit
SamplePrep Large-Capacity Freezer/ Mill Accessory	SPEX	6801	Large Grinding Vial Set
Sephadex G-10 beads	Cytiva	17001001	Gel Filtration Resin
Surgical kit	na	na	
UltraPur 0.5M EDTA, pH 8.0	ThermoFisher	15575020	
UltraPur 1 M Tris-HCl Buffer, pH 7.5	ThermoFisher	15567027	

UltraPure DNase/RNase-Free Distilled Water	ThermoFisher	10977023	
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