

Materials List for

Primary Acinar Cell Isolation: A Method to Isolate Acinar Cells from Mouse Pancreas

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URL: <https://www.jove.com/video/20309>

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Materials

Name	Company	Catalog Number	Comments
37 °C shaking incubator	Thermo Scientific	SHKE4000-7	
5% CO ₂ , 37 °C Incubator	NUAIRE	NU-5500	
50 ml tubes	Falcon	352070	
Absorbent pad, 20" x 24"	Fisherbrand	1420662	
BD Precision Glide Needle 21G x 1/2	Fisher Scientific	305167	Use as pins for dissection
Beaker, 600 mL	Fisherbrand	FB-101-600	
Centrifuge	Beckman Coulter	Allegra X-15R Centrifuge	
Collagenase Type I, Clostridium histolyticum	Sigma	C0130-1G	Create a 100 mg/ml solution by dissolving powder in sterile molecular biology grade water. When thawing one aliquot, dilute to 10 mg/ml, filter sterilize and place 1 ml aliquots at -20 °C.
Dexamethasone	Sigma	D1756	Create a 4 mg/ml solution by dissolving powder in methanol, aliquoting and storing at -20 °C.
Ethanol, 200 proof	Decon Laboratories	2701	
Fetal Bovine Serum	Sigma	F0926-100mL	
Forceps	Fine Science Tools	11002-12	
Forceps	Fine Science Tools	91127-12	
Hank's Balanced Salt Solution (HBSS), No calcium, No magnesium, No phenol red	Fisher Scientific	SH3048801	
Ice bucket, rectangular	Fisher Scientific	07-210-103	
LAB GUARD specimen bags (for mouse after dissection)	Minigrip	SBL2X69S	
Parafilm	Bemis	PM992	Referred to as 'plastic paraffin film' in the manuscript
PBS	Fisher Scientific	SH30028.02	
Penicillin-Streptomycin	ThermoFisher Scientific	15140122	
Pipet tips, 10 µl	USA Scientific	1110-3700	
Pipet tips, 1000 µl	Olympus Plastics	24-165RL	
Pipet tips, 200 µl	USA Scientific	1111-1700	
Pipet-Aid	Drummond		
PIPETMAN Classic P10, 1-10 µl	Gilson	F144802	
PIPETMAN Classic P1000, 200-1000 µl	Gilson	F123602	
PIPETMAN Classic P20, 2-20 µl	Gilson	F123600	
PIPETMAN Classic P200, 20-200 µl	Gilson	F123601	

Pipettes, 10 ml	Falcon	357551	
Pipettes, 25 ml	Falcon	357525	
Pipettes, 5 ml	Falcon	357543	
Polypropylene Mesh, 105 μ m	Spectrum Labs	146436	
Polypropylene Mesh, 500 μ m	Spectrum Labs	146418	
Scissors	Fine Science Tools	14568-12	
Scissors	Fine Science Tools	14568-13	
Sodium Bicarbonate (Fine White Powder)	Fisher Scientific	BP328-500	
Sodium Hydroxide	Fisher Scientific	S318-500	
Soybean Trypsin Inhibitor	Gibco	17075029	
Spatula	Fisherbrand	21-401-10	
Steriflip 50 ml, 0.22 micron filters	Millipore	SCGP00525	
Type I Rat Tail Collagen	Corning	354236	
Waymouth MB 752/1 Medium (powder)	Sigma	W1625-10X1L	
Weigh boat, hexagonal, medium	Fisherbrand	02-202-101	