

Materials List for:

Preparation of Pancreatic Acinar Cells for the Purpose of Calcium Imaging, Cell Injury Measurements, and Adenoviral Infection

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URL: <https://www.jove.com/video/50391>

DOI: [doi:10.3791/50391](https://doi.org/10.3791/50391)

Materials

Name	Company	Catalog Number	Comments
Mice	NCI	N/A	Male 20-30 grams; virtually any strain should yield comparable results.
HEPES	American Bioanalytical	AB00892	
Sodium Chloride	J.T. Baker	3624-05	
Potassium Chloride	J.T. Baker	3040-01	
Magnesium Chloride	Sigma	M-8266	
Calcium Chloride	Fischer	C79	
Dextrose	J.T. Baker	1916-01	
L-Glutamine	Sigma	G-8540	
1X minimum Eagle's medium non-essential amino acid mixture	Gibco	11140-050	
Sodium Hydroxide	EM	SX0593	
Bovine Serum Albumin	Sigma	A7906	
Collagenase	Worthington	4188	
Soybean Trypsin Inhibitor	Sigma	T-9003	
Carbon Dioxide	Matheson Gas	124-38-9	
125 ml Erlenmeyer plastic flask	Crystalgen	26-0005	
Dissection kit	Fine Science Tools	14161-10	
70% Ethanol	LabChem	LC222102	
P1000, P100, P10 pipettes	Gilson	FA10005P	
Weighing boat	Heathrow Scientific	HS1420A	
Plastic transfer pipettes	USA Scientific	1020-2500	
15 ml conical tubes	BD Falcon	352095	
50 ml conical tubes	BD Falcon	352070	
1.5 ml micro-centrifuge tube	Fisher	05-408-129	
0.65 ml micro-centrifuge tube	VWR	20170-293	
22 x 22 mm glass coverslips	Fisher	032811-9	
Nitric Acid	Fischer	A483-212	
Hydrochloric Acid	Fischer	A142-212	
Deionized water	N/A	N/A	
18 x 18 mm coverslips	Fischer	021510-9	
Laboratory film	Parafilm	PM-996	
Fluo-4AM	Invitrogen	F14201	

Dimethylsulfoxide	Sigma	D2650	
Luer lock	Becton Dickinson	932777	
60 ml syringe	BD Bioscience	DG567805	
23 ½ gauge needle	BD Bioscience	9328270	
PE50 tubing	Clay Adam	PE50-427411	
Flat head screwdriver	N/A	N/A	
DMEM F-12, no Phenol Red	Gibco	21041-025	
30.5 gauge needle	BD Bioscience	305106	
5 CC syringe	BD Bioscience	309603	
25 ml Erlenmeyer flask	Fischer	FB50025	
Nylon mesh filter	Nitex	03-150/38	150 um pore size
48 well tissue culture plate	Costar	3548	
96 well tissue culture plate	Costar	3795	
6 well tissue culture plate	Costar	3506	
Liquid nitrogen	Matheson Gas	7727-37-9	
Cytotoxicity assay kit	Promega	G1782	
Adeno-GFP	N/A	N/A	Gift from J. Williams
Equipment			
Ring stand with clamps	United Scientific	SET462	
Perifusion chamber	N/A	N/A	Designed by S.Z.H and colleagues at Yale University
Vacuum line	Manostat	72-100-000	
Water bath with shaker	Precision Scientific	51220076	
Confocal microscope	Zeiss	LSM 710	
BioTek Synergy H1 plate reader	BioTek	11-120-534	
Tissue culture hood	Nuaire	NU-425-600	
Tissue culture Incubator	Thermo	3110	