

Materials List for

Pancreatic Tissue Dissection to Isolate Viable Single Cells

Oshri Yosefov-Levi¹, Sharona Tornovsky¹, Oren Parnas¹

¹The Lautenberg Center for Immunology and Cancer Research, The Institute for Medical Research Israel-Canada, Faculty of Medicine, The Hebrew University of Jerusalem

Corresponding Author

Oren Parnas
oren.parnas@gmail.com

Citation

Yosefov-Levi, O., Tornovsky, S., Parnas, O. Pancreatic Tissue Dissection to Isolate Viable Single Cells. *J. Vis. Exp.* (195), e64871, doi:10.3791/64871 (2023).

Date Published

May 26, 2023

DOI

10.3791/64871

URL

jove.com/video/64871

Materials

Name	Company	Catalog Number	Comments
Reagent or Resource			
70 µm nylon mesh	Corning	cat##431751	
BSA	Sigma Aldrich	cat# A7906	
Collagenase P	Roche	cat# 11213857001	
Critical Commercial Assay			
DAPI	Sigma Aldrich	cat#MBD0015	
Dnase I	Roche	cat# 10104159001	
Experimental Models: Organisms/ Strains			
Fetal Bovine Serum South American	ThermoFisher	Cat#10270106	
Hanks' Balanced Salt Solution	Biological industries	cat#02-018-1A	
<i>KRAS</i> ^{LSL-G12D} mice	Jackson Laboratory	JAX008179	
MACS dead cells removal kit	Milteny Biotec	cat#130-090-101	
PBS	Biological industries	cat#02-023-1A	
<i>Ptf1a-Cre</i> ^{ER} mice	Jackson Laboratory	JAX019378	
<i>Ptf1a-Cre</i> ^{ER} ; <i>Rosa26</i> ^{LSL-tdTomato} mice	Jackson Laboratory	JAX007908	
Trypsin C-EDTA 0.05%	Biological industries	cat# 03-053-1A	
Trypsin inhibitor	Roche	cat#T6522	