

Materials List for

Generating Human Pancreatic Tissue Slices to Study Endocrine and Exocrine Pancreas Physiology

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Citation

Panzer, J.K., Garcia, P.A., Pugliese, A. Generating Human Pancreatic Tissue Slices to Study Endocrine and Exocrine Pancreas Physiology. *J. Vis. Exp.* (205), e66468, doi:10.3791/66468 (2024).

Date Published

March 15, 2024

DOI

10.3791/66468

URL

jove.com/video/66468

Materials

Name	Company	Catalog Number	Comments
Alanine	Sigma	A7627	amino acid
AlexaFluor 488 goat anti-guineapig	Invitrogen	A11073	secondary antibody
AlexaFluor 546 goat anti-rat	Thermo Fisher	A11077	secondary antibody
AlexaFluor 647 goat anti-mouse	Thermo Fisher	A21235	secondary antibody
Aprotinin	Sigma	A1153	inhibitor
Arginine	Sigma	A5006	amino acid
Calbryte 520 AM	AAT Bioquest	20651	Calcium dye
Fluo4-AM	Invitrogen	F14201	Calcium dye
Fluorescein diacetat	Sigma	F7378	viability marker
Glucagon	Sigma	G2654	primary antibody
Glucagon ELISA (human kit)	Mercodia	10-1271-01	ELISA for hormone detection
Glutamine	Sigma	G3126	amino acid
Insulin	Dako	A-0546	primary antibody
Insulin ELISA (human)	Mercodia	10-1113-01	ELISA for hormone detection
Low melting point agarose	Sigma	A9414	
LSM 900	Zeiss		confocal microscope
Pancreas Slice Chamber	Biorep Technologies	PERI-PSC-001	slice chamber for perfucion
Pancreas Slice Chamber Extender Kit	Biorep Technologies	PERI-PSC-EXT	slice chamber for perfucion
Pancreas Slice Chamber Perforated Plate	Biorep Technologies	PERI-PSC-PP	slice chamber for perfucion
Perifusion system with automated tray handling	Biorep Technologies	PERI4-02-230-FA	
Propidium iodide	Life technologies	P1304MP	dead marker
Semi-automatic vibratome VT1200S	Leica	14048142066	
Somatostatin	Millipore	MAB354	primary antibody