

Materials List for:

Lepr^{db} Mouse Model of Type 2 Diabetes: Pancreatic Islet Isolation and Live-cell 2-Photon Imaging Of Intact Islets

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URL: <https://www.jove.com/video/52632>

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Materials

Name	Company	Catalog Number	Comments
Liberase TL 5 mg	Roche	-5401020001	
Collagenase type IV-1g	Gibco-Life Technologies	17104-019	
Histopaque 1077 500 ml	Sigma Aldrich	10771	
RPMI 1640 Medium (10x) 1L	Sigma Aldrich	R1383	to prepare isolation media
RPMI 1640 (1x) 500 ml	Gibco-Life Technologies	21870-076	to prepare cultured media
Penicillin-Streptomycin 100 ml	Gibco-Life Technologies	15140-122	to prepare cultured media
Fetal bovine serum 500 ml	Gibco-Life Technologies	10099-141	to prepare cultured media
DMEM (Dulbecco's Modified Eagle Medium)	Gibco-Life Technologies	11966-025	to dilute the liberase
Metamorph program	Molecular Devices, USA		to analyze the 2-photon images