

Materials List for:

# Effective Isolation of Functional Islets from Neonatal Mouse Pancreas

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## Materials

Name	Company	Catalog Number	Comments
Collagenase Type IV	Sigma Aldrich, St Louis, MO	C5138	
1x HBSS with Ca <sup>2+</sup> /Mg <sup>2+</sup>	Mediatech/Cellgro, Manassas, VA	MT21020CV	If HBSS without Ca <sup>2+</sup> /Mg <sup>2+</sup> is obtained, CaCl <sub>2</sub> and MgSO <sub>4</sub> can be added to 1.26 and 0.5 mM, respectively.
RPMI 1640 w/o glucose	Thermo Fisher Scientific/Life Technologies, Waltham, MA	11879-020	Glucose needs to be added to specific levels to not interfere with subsequent islet usage.
Glucose	Sigma Aldrich, St Louis, MO	G-7021	
polysucrose and sodium diatrizoate solution	Sigma Aldrich, St Louis, MO	Histopaque-10771	
Stereoscope	Carl-Zeiss, Oberkochen, Germany	Stemi2000	
Stereoscope	Leica, Wetzlar, Germany	Leica M165	
Microcentrifuge	Eppendorf, Hauppauge, NY	Centrifuge 5417C	
Centrifuge	Eppendorf, Hauppauge, NY	Centrifuge 5810R	
15-mL centrifuge tubes	VWR, Radnor, PA	89039-666	
50-mL centrifuge tubes	VWR, Radnor, PA	89039-658	
Precision balance	VWR, Radnor, PA	VWR-225AC	
Microfuge tubes	VWR, Radnor, PA	87003-294	
Pipetman P1000	Fisher Scientific, Waltham, MA	F123602	
Pipetman P20	Fisher Scientific, Waltham, MA	F123600	
100 x 15 mm dish	VWR, Radnor, PA	25384-088	
60 x 15 mm dish	VWR, Radnor, PA	25384-168	
12-well plates	VWR, Radnor, PA	665-180	
Scissor	Fine Scientific Tools, Foster City, CA	14080-11	
Tweezers	Fine Scientific Tools, Foster City, CA	5708-5	
CD1 mice	Charles River Laboratories, Wilmington, MA	CD-1	
C57BL/6J	The Jackson laboratory, Farmington, CT	C57BL/6J	
B6CBAF1/J	The Jackson laboratory, Farmington, CT	B6CBAF1/J	