

Materials List for:

A Method for Mouse Pancreatic Islet Isolation and Intracellular cAMP Determination

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Materials

Name	Company	Catalog Number	Comments
Collagenase from <i>Clostridium histolyticum</i> suitable for isolating active islets	Sigma-Aldrich	C7657	
Ficoll 400	Sigma-Aldrich	F9378	
Hanks Balanced Salt Solution 10X	Invitrogen (Gibco)	14065-056	
HEPES	Sigma-Aldrich	H3375	
RPMI 1640 (powder)	Invitrogen (Gibco)	31800-022	
Albumin from Bovine Serum (BSA)	Sigma-Aldrich	A7888	
3/0 Silk Suture Thread	Fine Science Tools	18020-30	
Dumont #5 Forceps	Fine Science Tools	11251-10	
0.8 mm Forceps	Fine Science Tools	11050-10	
Curved Scissors	Fine Science Tools	14061-10	
Vannas-Tübingen Spring Scissors - Straight/Sharp/8.5 cm/5 mm Cutting Edge	Fine Science Tools	15003-08	
Dissecting Scissors	Fine Science Tools	14002-14	
5 ml BD Luer-Lok Syringe	BD	309646	
1 ml BD syringe	BD	309628	
30 G BD Needle 1/2" Length	BD	305106	
27 G BD Needle 1/2" Length	BD	305109	
Sharpening Stone	Fine Science Tools	29008-01	
2-2-2-tribromoethanol	Sigma-Aldrich	T48402-25G	
2-methyl-2-butanol	Sigma-Aldrich	240486-100mL	
Sodium Chloride (NaCl)	Sigma-Aldrich	S9888	
Potassium Chloride	Sigma-Aldrich	P3911	
Monopotassium Phosphate (KH ₂ PO ₄)	Sigma-Aldrich	P0662	
Sodium Bicarbonate (NaHCO ₃)	Sigma-Aldrich	S6014	
CaCl ₂ ·2H ₂ O	Sigma-Aldrich	C3881	
MgSO ₄ ·7H ₂ O	Sigma-Aldrich	M9397	
Penicillin-Streptomycin	Invitrogen (Gibco)	15140-122	
Heat Inactivated Fetal Bovine Serum (H.I. FBS)	Fisher Scientific	SH30088.03HI	
3-Isobutyl-1-methylxanthine (IBMX)	Sigma-Aldrich	5879-100MG	