

Materials List for:

# Isolation of Atrial Myocytes from Adult Mice

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## Materials

Name	Company	Catalog Number	Comments
1, 2-Bis(2-Aminophenoxy)ethane-N, N, N', N'-tetraacetic acid 98%	Sigma	A4926-1G	
Adenosine 5'-triphosphate disodium salt hydrate BioXtra, ≥ 99%, from microbial	Sigma	A7699-1G	
Adenosine 5'-triphosphate magnesium salt ≥ 95%, bacterial	Sigma	A9187-1G	
Amphocetericin B from Streptomyces sp. ~80% (HPLC), powder	Sigma	A4888-500 MG	
Bovine serum albumin	Sigma	A3059-50G	
Calcium chloride dihydrate	Sigma	223506-500G	
Cesium chloride ReagentPlus, 99.9%	Sigma	289329-100G	
Cesium hydroxide monohydrate ≥ 99.5% trace metals basis	Sigma	562505-1KG	
Collagenase Type 2	Worthington Biochemical Corporation	LS004176	
Creatine anhydrous	Sigma	C0780	
D-(+)-Glucose	Sigma	G7021-1KG	
DL-Aspartic acid potassium salt	Sigma	A2025-100G	
Elastase suspension	Worthington Biochemical Corporation	LS002279	
Ethylene glycol-bis(2-amino-ethylether)-N,N,N',N'-tetraacetic acid ≥97.0%	Sigma	E4378-25G	
Guanosine 5'-triphosphate sodium salt hydrate ≥ 95% (HPLC), powder	Sigma	G8877-250MG	
Heparin 10 000 USP U/10 mL	SANDOZ	10750	
HEPES ≥ 99.5% (titration)	Sigma	H3375-500G	
L-Glutamic acid potassium salt monohydrate ≥ 99% (HPLC), powder	Sigma	G1501-500G	
Magnesium sulfate	Sigma	M2643-500G	
Nifedipine ≥ 98% (HPLC), powder	Sigma	N7634-1G	
Phosphocreatine disodium salt hydrate enzymatic, approx 98%	Sigma	P7936-5G	
Potassium chloride ACS reagent, 99.0-100.5%	Sigma	P3911-500G	
Potassium hydroxide	EM Science	PX1480-1	

Potassium phosphate monobasic	EMD	PX1565-1	
Protease from <i>Streptomyces griseus</i> , type XIV, $\geq 3.5$ units/mg solid, powder	Sigma	P5147-1G	
Sodium chloride ACS reagent, $\geq 99.0\%$	Sigma	S9888-2.5KG	
Sodium hydroxide, pellets, 97+%, A.C.S. reagent	Sigma	221465-500G	
Sylgard 184 silicone elastomer kit	World Precision Instruments Inc	SYLG184	
Taurine	Sigma	T0625-100G	
Tetraethylammonium chloride $\geq 98\%$ (titration)	Sigma	T2265-100G	