

Materials List for:

Investigating Mast Cell Secretory Granules; from Biosynthesis to Exocytosis

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Materials

Name	Company	Catalog Number	Comments
DMEM	Sigma-Aldrich	D6046-500ML	Warm in 37 °C water bath before use
Fetal Bovine Serum	GE health care Life sciences	SH30071.01	
Penicillin-Streptomycin	Life technologies		
Cellulose acetate membrane, pore size 0.22 µm	Sigma-Aldrich	CLS430769-1EA	
Corning tissue-culture treated culture dishes	Sigma-Aldrich	CLS430167	
Trypsin/EDTA Solution (TE)	Life technologies	R001100	Warm in 37 °C water bath before use
PIPES dipotassium salt	Sigma-Aldrich	108321-27-3	
Calcium acetate hydrate	Sigma-Aldrich	114460-21-8	
Magnesium acetate tetrahydrate	Sigma-Aldrich	M5661	
L-Glutamic acid potassium salt monohydrate (Potassium glutamate)	Sigma-Aldrich	G1501	
4 mm electroporation cuvettes	cell projects	EP-104	
GENE PULSER WITH PULSE CONTROLLER & CAPACITANCE	Bio rad		
Chambered coverglass	Thermo scientific	155411	
24 well, flat bottom	Sigma-Aldrich	CLS3524	
Corning 96 well plates	Sigma-Aldrich	CLS3367 or CLS390	
96 well plate fluorescence reader-Infinite 200	Tecan		
Calcium ionophore A23187	Sigma-Aldrich	C7522	Avoid from direct light exposure
12-O-tetradecanoyl-13-acetate (TPA)	Calbiochem	P3766	
anti-DNP monoclonal IgE	Sigma-Aldrich	D8406	
DNP-BSA/ DNP-HAS	Sigma-Aldrich	A6661	Avoid from direct light exposure
Triton-x-100	Sigma-Aldrich	T8787	
Confocal fluorescent microscope:			
Zeiss LSM 510			
Leica	SP5		
Nikon A1 inverted			
Imaris software	BITLANE		
Microsoft excel or Prism or other analyses software			

Other reagent:			
Magnesium Chloride	MERK	5833	
Sodium chloride	MERK	6404	
Calcium chloride	MERK	2382	
Bovine serum albumin	Sigma-Aldrich	A4503	
Glucose	BDH Laboratories	284515V	
Monosodium phosphate	MERK	5345	
Sterile water			