

Materials List for:

Imaging FITC-dextran as a Reporter for Regulated Exocytosis

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Materials

Name	Company	Catalog Number	Comments
DMEM low glucose	Biological Industries	01-050-1A	
Fetal bovine serum	Gibco	12657	
Pen-strep-nystatin solution	Biological Industries	03-032-1B	
L-Glutamine 200 mM solution	Biological Industries	03-020-1A	
FITC dextran 150K	Sigma-Aldrich	46946-500MG-F	
Trypsin/EDTA Solution B	Biological Industries	03-052-1A	Warm in 37 °C water bath before use
Top-vacuum filter of 0.22 µm pore size	Sigma-Aldrich	CLS430769-1EA	
Cellulose acetate syringe filter unit, 0.22 µm pore size	Sartorius	16534K	
Chambered coverglass	Thermo scientific	155411	
Corning tissue-culture treated culture dishes	Sigma-Aldrich	CLS430167	
Bovine serum albumin	Sigma-Aldrich	A4503	
Anti-DNP monoclonal IgE	Sigma-Aldrich	D8406	
DNP-HSA (Ag)	Sigma-Aldrich	A6661	Avoid direct light exposure
Hepes buffer 1M, pH 7.4	Biological Industries	03-025-1B	
CaCl ₂	MERK	102382	
Glucose	BDH Laboratories	284515V	
Ammonium chloride	MERK	1145	
PIPES dipotassium salt	Sigma-Aldrich	108321-27-3	
Calcium acetate hydrate	Sigma-Aldrich	114460-21-8	
Magnesium acetate tetrahydrate	Sigma-Aldrich	M5661	
Potassium glutamate (L-Glutamic acid potassium salt monohydrate)	Sigma-Aldrich	G1501	
NaH ₂ PO ₄	MERK	6346	
NaCl	MERK	106404	
MgCl ₂	MERK	105833	
KCl	MERK	104936	
Electroporator	BTX	ECM830	
Confocal microscope, Zeiss	Zeiss	LSM 5 Pascal, Axiovert 200M	Used in Figure 3. Equipped with an electronic temperature-controlled airstream incubator

Confocal microscope, Zeiss	Zeiss	LSM 800, Axio Observer.Z1 /7	Used in Figure 2. Equipped with a GaAsP detector an electronic temperature-controlled airstream incubator
Confocal microscope, Leica	Leica	SP5	Used in Figure 1. Equipped with a leica HyD detector and an top-stage incubator (okolab)
RBL-2H3 cells			RBL-2H3 cells were cloned in the lab of Reuben P. Siraganian. See reference 67