

Materials List for:

Isolation of Peritoneum-derived Mast Cells and Their Functional Characterization with Ca^{2+} -imaging and Degranulation Assays

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Materials

Name	Company	Catalog Number	Comments
RPMI Medium	Thermo Scientific	21875034	
DPBS	Sigma-Aldrich	14190144	
FCS	Thermo Scientific	R92157	
IL-3	R&D Systems	403-ML	
SCF	Thermo Scientific	PMC2115	
Concanavalin A	Sigma-Aldrich	C2272	
Fura-2 AM	Thermo Fischer Scientific	F1221	
Pluronic F-127	Sigma-Aldrich	P2443	
DNP-HSA	Sigma-Aldrich	A6661	
Anti-DNP-Antibody	Sigma-Aldrich	D-8406	
Penstrep	Thermo Scientific	15140122	
Compound 48/80	Sigma-Aldrich	C2313	
4-(1,1,3,3-Tetramethylbutyl)phenyl-polyethylene glycol	Sigma-Aldrich	X100	
4-Nitrophenyl 2-acetamido-2-deoxy- β -D-glucopyranoside	Sigma-Aldrich	N9376	
CoverWell Imaging Chamber	Sigma-Aldrich	GBL635051	
96-Well plate, v-shaped bottom	Corning	3896	
96-Well plates, flat bottom	Greiner Bio-One	655180	
Microtiter plate reader with "i-control" software	Tecan	Nano Quant, infinite M200 Pro	
Flat bottom plate	Greiner Bio-One	655180	
Ionomycin	Sigma-Aldrich	I9657	
50 mL Plastic Centrifuge Tubes	Sarstedt	62.547.254	
Culture Flasks (25 cm)	Greiner Bio-One	69160	
Cover slips glasses round; $\varnothing$ 25 mm; No. 1	Menzel	CB00250RA1	
Hemocytometer	VWR	631-0696	
Inverted Microscope	Zeiss	Observer Z1	
Objectiv Fluor 40x/1.3 Oil	Zeiss	440260-9900	
HC Filter Set Fura 2	AHF	H76-521	
CCD Camera	Zeiss	AxioCam MRm	
Monochromatic Light Source	Sutter Instruments	Lambda DG-4	
Imaging Acquisition Program	Zeiss	AxioVision 4.8.2	

Gravity fed solution application system	Custom Made	4-channel	
15 mL Plastic Centrifuge Tubes	Sarstedt	62,554,502	
Bench Centrifuge	Heraeus	Megafuge 1.0R	