

Materials List for:

Confocal Imaging of Neuropeptide Y-pHluorin: A Technique to Visualize Insulin Granule Exocytosis in Intact Murine and Human Islets

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Materials

Name	Company	Catalog Number	Comments
Upright laser-scanning confocal microscope	Leica Microsystems, Wetzlar, Germany	TCS-SP5	includes LAS AF, the image acquisition software
Imaging chamber	Warner instruments	RC-26	
Imaging chamber platform	Warner instruments	PH-1	
22 x 40 glass coverslips	Daiggerbrand	G15972H	
Vacuum silicone grease	Sigma	Z273554-1EA	
Multichannel perfusion system	Warner instruments	VC-8	
Single inline solution heater	Warner instruments	SH-27B	
Temperature controller	Warner instruments	TC-324C	
Peristaltic Suction pump	Pharmacia	P-1	
35 mm Petri dish, non-tissue culture treated	VWR	10861-586	
CMRL Medium, no glutamine	ThermoFisher	11530037	
FBS, heat inactivated	ThermoFisher	16140071	
L-Glutamine 200 mM	ThermoFisher	25030081	
5 M NaCl solution	Sigma	S5150	
3 M KCl solution	Sigma	60135	
1 M CaCl ₂ solution	Sigma	21115	
1 M MgCl ₂ solution	Sigma	M1028	
Bovine Serum Albumin	Sigma	A2153	
1 M HEPES solution	Sigma	H0887	
Vacuum filter	VWR	431098	
D-Glucose	Sigma	G8270	
Poly-D-lysine hydrobromide	Sigma-aldrich	P6407	
Di-8-ANNEP	ThermoFisher	D3167	
3-isobutyl-1-methylxanthine (IBMX)	Sigma	I5879	
Forskolin	Sigma	F3917	