

Materials List for:

Measurement of Calcium Fluctuations Within the Sarcoplasmic Reticulum of Cultured Smooth Muscle Cells Using FRET-based Confocal Imaging

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Materials

Name	Company	Catalog Number	Comments
Dulbecco's Modified Eagle's Medium (high glucose, pyruvate)	Life technologies	11995-065	Warm in 37 °C water bath before use
Matrigel Basement Membrane Matrix Growth Factor Reduced, 5 ml	Corning	356230	Keep at -20 °C until right before use
Newborn Calf Serum	Sigma-Aldrich		Keep at -20 °C until right before use
35 mm glass-bottomed plates	MatTek Corporation	P35G-1.5-14-C	
250 ml 0.2 µM vented blue plug seal cap flask	BD Falcon	353136	
Trypsin/EDTA Solution	Life technologies	25200056	Keep at -20 °C until right before use
50 ml Polypropylene Conical Tube	BD Falcon	352070	
D1SR	N/A	N/A	Gift
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D8779	
Pluronic F-127	Sigma-Aldrich	P2443	
Fluo 4-AM	Life technologies	F-23917	Keep at -20 °C until right before use
1.5 ml Black Microcentrifuge Tubes	Argos Technologies	T7100BK	
Leica TCS SP5 confocal microscope	Leica Microsystems		
Leica Application Suite 2.6.3 (with FRET SE Wizard application)	Leica Microsystems		
GraphPad Prism 5.0	GraphPad Software, Inc.		