

Materials List for:

Live Cell Calcium Imaging Combined with siRNA Mediated Gene Silencing Identifies Ca²⁺ Leak Channels in the ER Membrane and their Regulatory Mechanisms

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URL: <https://www.jove.com/video/2730>

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Materials

Name	Company	Catalog Number	Comments
DMEM+GlutaMAX	Invitrogen	31966	
OptiMEM+GlutaMAX	Invitrogen	51985	
FBS	Biochrom AG	S0115	
Penicillin/ Streptomycin	PAA Laboratories	P11-010	
HiPerFect	Qiagen	301707	
Fugene HD	Roche Group	04709713	
Nuclear-ID Blue/Green cell viability reagent	Enzo Life Sciences	ENZ-53004	
FURA-2 AM	Invitrogen	F-1221	
Puromycin	Sigma-Aldrich	P 7255	
Thapsigargin	Invitrogen	T-7459	
Ophiobolin A	Enzo Life Sciences	ALX-270-109	
Trifluoperazine	Sigma-Aldrich	T 6062	
Countess® Automated Cell Counter	Invitrogen		
Typhoon-Trio imaging system	GE Healthcare		
TE2000-S microscopewith DS-5Mc camera	Nikon Instruments		
iMIC microscope with polychrome V	Till Photonics		