

Materials List for:

Whole-Cell Recording of Calcium Release-Activated Calcium (CRAC) Currents in Human T Lymphocytes

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Materials

Name	Company	Catalog Number	Comments
RosetteSep Human T Cell Enrichment Cocktail	Stem Cell Technologies	15061	
RosetteSep Density Medium	Stem Cell Technologies	15705	
RPMI-in 1640 medium w/ glutamine/HEPES	Fisher Scientific	SH3025501	
Fetal Calf Serum	Omega Scientific	FB-01	
GlutaMAX-I (100X solution)	Invitrogen	35050	
RPMI 1640 vitamin solution (100X)	Sigma-Aldrich	7256	
1640 amino acids solution (50X)	Sigma-Aldrich	R7131	
Sodium pyruvate	Sigma-Aldrich	S8636	
β-Mercapt-ethanol	Sigma-Aldrich	M7522	
Inositol trisphosphate	Sigma-Aldrich	19766	
BAPTA	Sigma-Aldrich	A4926	
Poly-L-Lysine Hydrobromide	Sigma-Aldrich	P2636	
Lanthanum Chloride	Sigma-Aldrich	262072	
Thapsigargin	Calbiochem	586005	
Sylgard 184 Silicon Elastomer Kit	Dow Corning	3097358-1004	
HIPEC R6101 Semiconductor Protective Coating	Dow Corning		
63-500 Series High-Performance Vibration Isolation Lab Table	Technical Manufacturing Corp.	63-540	
EPC 10 patch clamp amplifier with headstage	HEKA Instruments		
Micromanipulator	Sutter Instrument Co.	MP-285	
Olympus 1X71 Inverted microscope with 40x oil immersion objective	Olympus Corporation	1X71	
Windows Computer	Dell		
Pulse software	HEKA Instruments		
Origin Scientific Graphing and Analysis Software	OriginLab		
Patch pipette puller	Sutter Instrument Co.	P-97	
Borosilicate glass with filament (O.D.: 1.5mm and I.D.: 1.10mm)	Sutter Instrument Co.	BF150-110-7.5	
Narashige's Microforge	Tritech Research, Inc.	MF-830	
Silicon O-rings	McMaster-Carr	111 S70	
Coverslips 25 mm	Fisher Scientific	12-545-102 25 mm 25CIR.-1	