

Materials List for:

Real-time Imaging of Leukotriene B₄ Mediated Cell Migration and BLT1 Interactions with β -arrestin

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URL: <https://www.jove.com/video/2315>

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Materials

Name	Company	Catalog Number	Comments
Rat Basophilic Leukemia Cell line (RBL-2H3) or HEK293 cells.	ATCC	CRL-2256	
Delbecco's modified Eagle's Medium (DMEM)	Invitrogen	11995	
Phenol red free RPMI or DMEM	Invitrogen	11835-030	
Fetal Bovine Serum	Invitrogen	16000-044	
L-Glutamine (200 mM)	Invitrogen	25030	
Penicillin-streptomycin (10000 U/mL)	Invitrogen	15140	
Trypsin, 0.05% (1X) with EDTA 4Na, liquid	Invitrogen	25300	
HEPES (1M)	Invitrogen	15630	
35 mm sterile glass coverslip-bottomed Fluoro dishes (0.17 mm thick) (WillCo-dish)	World Precision Instruments, Inc.	FD35-100	
Sterile Gene Pulser Cuvette (0.4 cm electrode gap) (Bio-Rad)	Bio-Rad	16552088	
Gene Pulser II electroporator	Bio-Rad		
TE-FM Epi-Fluorescence system attached to Nikon Inverted Microscope Eclipse TE300	Nikon Instruments		
Metamorph Software	Universal Imaging		
Vertical Micro-pipette puller	Narishige International		
Micro-Forge M-900	Narishige International		
Hadraulic Micromanipulator MO-188NE	Narishige International		
Coarse Manual Manipulator, MN-188NE	Narishige International		
cDNA constructs:			
cDNA of G-Protein coupled receptor tagged with red fluorescence protein at C-terminus (hBLT1-RFP)	Jala et al 2005		
cDNA of cytosolic protein tagged with GFP (β -arrestin1-GFP in present study).	Jala et al 2005		