

Materials List for:

Characterization of G Protein-coupled Receptors by a Fluorescence-based Calcium Mobilization Assay

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Materials

Name	Company	Catalog Number	Comments
HEK293T cells			
Dulbecco's Phosphate Buffered Saline (PBS)	Sigma-Aldrich	D8537	
Trypsin-EDTA solution (0.25%)	Sigma-Aldrich	T4049	
Ethylenediaminetetraacetic acid disodium salt dihydrate (EDTA)	MP Biomedicals	195173	
Dulbecco's Modified Eagle's Medium - high glucose (DMEM)	Sigma-Aldrich	D5796	
Fetal Bovine Serum (FBS)	Sigma-Aldrich	F7524	
Penicillin-Streptomycin (P-S)	Sigma-Aldrich	P4333	
jetPRIME	Polyplus transfection	114-01	FuGENE HD Transfection Reagent (Promega); Lipofectamine LTX & Plus Reagent (Life technologies)
Dialyzed Fetal Bovine Serum (FBS)	Sigma-Aldrich	F0392	
Fibronectin from human plasma	Sigma-Aldrich	F0895	
Reagent A100, Lysis buffer	Chemometec	910-0003	
Reagent B, Stabilizing buffer	Chemometec	910-0002	
CaCl ₂	Sigma-Aldrich	C3881	
HEPES	Sigma-Aldrich	H4034	
Bovine Serum Albumin (BSA)	Sigma-Aldrich	A4503	
HBSS buffer: Hank's Balanced Salt Solution	Sigma-Aldrich	H8264	
Probenecid	Sigma-Aldrich	P8761	
NaOH (1 M)	Vel	2781	
Pluronic acid	Invitrogen	P-3000MP	
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D8418	
Fluo-4 AM	Invitrogen	F14201	Fluo-3, Rhod-2, Fluo-5, Calcium Green-1, ... (Invitrogen)
TPP tissue culture flasks (T-75 and T-150)	Sigma-Aldrich	Z707503 and Z707554	
FlexStation device	Molecular Devices		NOVOstar (BMG Labtechnologies); FLIPR (Fluorometric Imaging Plate Reader) (Molecular Devices)
Black-walled polystyrene plates (96 wells) with clear bottom	Greiner Bio-One	655090	Corning 96-well flat clear bottom black polystyrene poly-D-lysine coated microplates
NucleoCassette	Chemometec	941-0001	

NucleoCounter NC-100	Chemometec		
Microcentrifuge tubes, siliconized	BioCision	BCS-2470	
Polystyrene V-shaped 96-well plates	Greiner Bio-One	651101	
96-Well, FlexStation pipette tips	Molecular Devices	9000-0912	
Soft Max Pro software	Molecular Devices		