

Materials List for

Characterizing Modulators of Protease-activated Receptors with a Calcium Mobilization Assay Using a Plate Reader

Jacob T. DeRousse^{1,2,3}, Chris Dockendorff^{1,2}

¹Function Therapeutics ²Department of Chemistry, Marquette University ³School of Medicine, Washington University

Corresponding Author

Chris Dockendorff

cdockendorff@functiontx.com

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Materials

Name	Company	Catalog Number	Comments
Cell Culture Reagents			
Adherent EA.hy926 cells	ATCC	CRL-2922	
CellStripper cell dissociation reagent	Corning	25-056-CI	Trypsin can optionally be used, but should definitely be avoided with PAR2 assays.
Dulbecco's Modified Eagle Medium (DMEM) w/phenol red	Corning	10-013-CV	
Fetal Bovine Serum (FBS)	Avantor	97068-091	
Gelatin from porcine skin	MilliporeSigma	G2500	Use to make an aqueous 0.4% (w/v) solution with deionized water. Autoclave before use to sterilize.
Pen/Strep (100X)	Corning	30-002-CI	
Phosphate-buffered saline (PBS)	Corning	21-040-CV	
Trypan Blue (0.4% w/v)	Corning	25-900-CI	
Calcium Mobilization Reagents			
4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid (HEPES)	Thermo	172571000	
Bovine serum albumin (BSA)	Avantor	97061-420	
Calcium chloride dihydrate	Thermo	42352-0250	
Dimethyl sulfoxide	Thermo	J66650-AD	
Fluo-4/AM	Invitrogen	F14201	
Hank's balanced salt solution (Ca/Mg/phenol-red free)	Corning	21-022-CV	
Magnesium chloride hexahydrate	MilliporeSigma	M2393	
Pluronic F-127 (Poloxamer 407)	Spectrum Chemical	P1166	
Probencid	TCI America	P1975	
Sodium hydroxide	VWR International	BDH9292	

TFLLRN-NH ₂ (TFA salt)			Prepared by Trudy Holyst at the Versiti Blood Research Institute
Materials			
96-well culture-treated, black-walled, clear bottom assay plate	Corning	3603	with transparent lids
Centrifuge tube, 15 mL	Avantor	89039-664	
Centrifuge tube, 50 mL	Avantor	89039-656	
Culture flask, T-75	Corning	353136	tissue culture treated
Disposable reagent reservoir, 50 mL	Corning	RES-V-50-S	
Enspire plate reader	Perkin Elmer		Discontinued
Microcentrifuge tube, 1.5 mL	Avantor	20170-038	
Pasteur pipette, 9"	Fisher	13-678-6B	must be sterilized
PCR tube strip with separate flat cap strips	Avantor	76318-802	
Pipette tips, 20 µL	Biotix	63300042	sterile, filtered tips
Pipette tips, 200 µL	Biotix	63300044	sterile, filtered tips
Pipette tips, 1250 µL	Biotix	63300047	sterile, filtered tips
Prism	GraphPad		volume 6 used
Serological pipette, 5 mL	Tradewinds Direct	07-5005	
Serological pipette, 10 mL	Tradewinds Direct	07-5010	
Serological pipette, 25 mL	Tradewinds Direct	07-5025	