Materials List for

A Fluorescence-based Assay of Membrane Potential for High-throughput Functional Study of Two Endogenous Ion Channels in Two Epithelial Cell Lines

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jove.com/video/63528

Materials

Name	Company	Catalog Number	Comments
Amiloride	Spectrum Chemical	TCI-A2599-5G	Dissolved in DMSO and stored at -20 °C
CFTRInh-172	CF Foundation Therapeutics		Dissolved in DMSO and stored at -20 °C
EMEM, 1xs	Wisent	320-005-CL	
Fetal Bovine Serum (FBS)	Wisent	080-450	
FLIPR Membrane Potential Dye	Molecular Devices	R8042	Stored at 4 °C
Forskolin	Sigma-Aldrich	F3917	Dissolved in DMSO and stored at -20 °C
Gluconic acid lactone or (D-(+)-Gluconic acid δ-lactone)	Sigma-Aldrich	G4750	Stored at room temperature
HEPES	Bioshop	HEP001.5	Stored at room temperature
Human Bronchial Adenocarcinoma Cell Line (Calu-3)	ATCC	HTB-55	
Human Epithelial Colorectal Adenocarcinoma Cell Line (Caco-2)	ATCC	HTB-37	
N-Methyl-D-glucamine (NMDG	Sigma-Aldrich	M2004	Stored at room temperature
Penicillin-Streptomycin Solution	Wisent	450-200-EL	
Phosphate-Buffered Saline (PBS)	Wisent	311-010-CL	
Potassium Gluconate	Sigma-Aldrich	P1847	Stored at room temperature
Sodium Gluconate	Sigma-Aldrich	G9005	Stored at room temperature