

Materials List for

# Real-Time cAMP Dynamics in Live Cells Using the Fluorescent cAMP Difference Detector *In Situ*

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jove.com/video/66451

## Materials

Name	Company	Catalog Number	Comments
96-well plate (clear)	Fisherbrand	21-377-203	
35 mm dish	Greiner Bio-One	627870	Cell culture dishes with glass bottom
96-well plate	Corning	3904	Black with clear flat bottom
Antibiotic-Antimycotic (100x)	Gibco	15240062	For HEK and HASM media
BZ-X fluorescence microscope	Keyence		
Calcium chloride (1M)	Quality Biological Inc	E506	For HASM media
Centrifuge tube (15 mL)	Thermo Scientific	339651	
DMEM (1x)	Gibco	11965092	HEK media
DPBS with Mg <sup>2+</sup> and Ca <sup>2+</sup>	Gibco	14040-133	
DPBS without Mg <sup>2+</sup> and Ca <sup>2+</sup>	Corning	14040-133	
Fetal Bovine Serum (FBS)	R&D systems	S11195	For HEK and HASM media
Forskolin	Millipore	344270	Drug
Green Down cADDIS cAMP Assay Kit	Montana Molecular	#D0200G	Reagent
Ham's F-12K	Gibco	21127022	For HASM media
HEPES (1M)	Gibco	15630080	For HASM media
Isoproterenol	Sigma	I6504	Drug
L-glutamine 200 mM (100x)	Gibco	25030-081	For HASM media
Microcentrifuge tube (2 mL)	Eppendorf	22363352	
Primocin	Invitrogen	ant-pm-1	Antibiotic for HASM media
RNAse away	Thermo Scientific	700511	Reagent
Sodium hydroxide solution	Sigma	S2770	For HASM media
Spectramax M5 plate reader	Molecular Devices		
Trichostatin A	TCI America	T2477	Reagent
Trypsin EDTA	Gibco	25200-056	Reagent