

Materials List for:

Flow Cytometric Analysis of Bimolecular Fluorescence Complementation: A High Throughput Quantitative Method to Study Protein-protein Interaction

Li Wang¹, Graeme K. Carnegie¹

¹Department of Pharmacology, University of Illinois at Chicago

Correspondence to: Graeme K. Carnegie at carnegie@uic.edu

URL: <https://www.jove.com/video/50529>

DOI: [doi:10.3791/50529](https://doi.org/10.3791/50529)

Materials

Name	Company	Catalog Number	Comments
REAGENTS			
Dulbecco's modified Eagle's media (DMEM)	Invitrogen	11965-092	
Penicillin-Streptomycin (pen/strep), 100x	Invitrogen	15070-063	
Fetal Bovine Serum (FBS)	Invitrogen	16000-044	
Anti-Flag antibody	Sigma	M2, F1804	
Anti-HA antibody	Covance	16B12, MMS-101R	
α-tubulin	Sigma	DM1A, T9026	
Anti-GFP antibody	Clontech	632569	
Cell culture plates, 6-well tissue culture treated	Thermo Fisher Scientific	130184	
HEK 293T cells	ATCC	CRL-11268	
Maxiprep plasmid purification kit, high speed	Qiagen	12663	
Dulbecco's Phosphate-buffered saline (DPBS), sterile 1x	Invitrogen	14190-144	
Trypsin-EDTA, 0.05% (w/v)	Gibco	25300	
Polystyrene round-bottom tubes for FACS staining	BD Biosciences	352052	
Paraformaldehyde	Fisher Scientific	S74337MF	
Prolong gold antifade reagent with DAPI	Invitrogen	P-36931	
Superfrost plus Microscope slides	Fisher Scientific	12-550-15	
Fisherfinest premium cover glass	Fisher Scientific	12-548-5P	
EQUIPMENT			
CO ₂ air-jacketed Incubator	NuAIR DH autoflow		
Confocal microscope LSM510 META	Carl Zeiss, Inc		
Electrophoresis and transfer unit	Biorad		
Cyan ADP Flow Cytometer	Beckman Coulter		