

Materials List for:

# Measuring Transcellular Interactions through Protein Aggregation in a Heterologous Cell System

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URL: <https://www.jove.com/video/61237>

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## Materials

Name	Company	Catalog Number	Comments
1.5 mL disposable microtubes with snap caps	VWR	89000-028	Incubation of mixed population of HEK cells
1000 mL Rapid—Flow Filter Unit, 0.2 um aPES membrane	Thermo Fisher	567-0020	Sterilization of HEK media
15 mL SpectraTube centrifuge tubes	Ward's Science	470224-998	Harvesting HEK cells
6 well sterile tissue culture plates	VWR	100062-892	culturing HEK cells
Calcium Chloride	Sigma	223506-500G	Calcium phosphate transfection, HEK cell resuspension
Centrifuge- Sorvall Legend RT	Kendro Laboratory Products	75004377	Harvesting HEK cells
CO2 cell incubator	Thermo Scientific	HERACELL 150i	Incubation of HEK cells during growth
DMEM, 1x (Dulbecco's Modification of Eagle's Medium) with 4.5 g/L glucose, L-glutamine & sodium pyruvate	Corning	10-013-CV	HEK cell maintenance
Dulbecco's Phosphate Buffered Saline PBS (1X)	Gibco	14190-144	Passaging/harvesting HEK cell
Ethylenediaminetetraacetic acid	Sigma	ED-500G	Harvesting HEK cells
Falcon Vented culture flasks, 75cm <sup>2</sup> growth area	Corning	9381M26	Culturing HEK cells
Fetal Bovine Serum	Sigma	17L184	HEK cell maintenance
HEK293T cells	ATCC		Model system
ImageJ	NIH	V: 2.0.0-rc-69/1.52p	Image analysis
Magnesium Chloride hexahydrate	Sigma	M9272-500G	HEK cell resuspension
Sodium phosphate dibasic anhydrous	Fisher BioReagents	BP332-500	Calcium phosphate transfection
Trypsin 0.25% (1X) Solution	GE Healthcare Life Sciences	SH30042.01	Passaging HEK cells
Tube rotator			Incubation of mixed population of HEK cells
UltraClear Microscope slides. White Frosted, Positive Charged	Denville Scientific Inc.	M1021	Image acquisition
Wide-field microscope	Zeiss	Axio Vert 200M	Image acquisition