

Materials List for

Cell Aggregation Assay to Detect Trans Interactions between Cell Adhesion Molecules

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URL: <https://www.jove.com/video/21395>

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Materials

Name	Company	Catalog Number	Comments
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
CO ₂ 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 ² 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
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