

Materials List for:

Production of Pseudotyped Particles to Study Highly Pathogenic Coronaviruses in a Biosafety Level 2 Setting

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URL: <https://www.jove.com/video/59010>

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Materials

Name	Company	Catalog Number	Comments
Human embryonic kidney (HEK) HEK-293T/17 cells	ATCC	CRL-11268	Clone 17 cells are highly competent for transfection.
African green monkey kidney epithelial Vero-E6 cells	ATCC	CRL-1586	
Human hepatic Huh-7 cells	Japan National Institutes of Biomedical Innovation, Health and Nutrition	JCRB0403	
Inverted light microscope with 10 × objective	Nikon	TS100	
Dulbecco's modification of Eagle's medium (DMEM) with 4.5 g/L glucose, L-glutamine without sodium pyruvate	Corning Mediatech	10-017-CV	
Heat-inactivated fetal bovine serum (FBS)	Thermo Fisher Scientific, Gibco	1614071	
1 M N-2-hydroxyethylpiperazine-N'-2-ethanesulphonic acid (HEPES)	Corning Mediatech	25-060-CI	
100 × penicillin-streptomycin (PS) solution	Corning Mediatech	30-002-CI	
Dulbecco's phosphate buffered saline (DPBS) with Ca ²⁺ and Mg ²⁺	Corning Mediatech	21-030-CV	
0.25% trypsin, 2.21 mM ethylenediaminetetraacetic acid (EDTA) 1 × solution	Corning Mediatech	25-053-CI	
Cell counting slides with grids	Kova	87144	
Opti-minimal essential medium (Opti-MEM)	Thermo Fisher Scientific, Gibco	31985-070	
Lipofectamine 2000 transfection reagent	Thermo Fisher Scientific, Invitrogen	11668-027	
0.45 µm pore-size sterile filter	Pall	4184	
10 mL syringes	BD	309604	
5 × luciferase assay lysis buffer	Promega	E1531	
Luciferin, substrate for luciferase assay	Promega	E1501	
Sterile water	VWR	E476-1L	

GloMax 20/20 luminometer	Promega	2030-100	
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