

Materials List for:

Generation, Amplification, and Titration of Recombinant Respiratory Syncytial Viruses

Camille Bouillier, Vincent Rincheval, Delphine Sitterlin, Sabine Blouquit-Laye, Aurore Desquesnes, Jean-François Eléouët, Elyanne Gault, Marie-Anne Rameix-Welti

TODO, TODO

Correspondence to: Marie-Anne Rameix-Welti at ma.welti@free.fr

URL: <https://www.jove.com/video/59218>

DOI: [doi:10.3791/59218](https://doi.org/10.3791/59218)

Materials

Name	Company	Catalog Number	Comments
35mm μ dish for live cell imaging	Ibidi	81156	
A549	ATCC	ATCC CCL-185	
Avicel RC-591	FMC BioPolymer	Avicel RC-591	Technical and other information on Avicels is available at http://www.fmcbiopolymer.com . Store at room temperature. Protocol in step 4 is optimized for this reagent.
BSRT7/5		not commercially available	See ref 22. Buchholz et al, 1999
Crystal violet solution	Sigma	HT90132	
Fluorescence microscope for observations	Olympus	IX73 Olympus microscope	
Fluorescence microscope for videomicroscopy	Olympus	ScanR Olympus microscope	
HEp-2	ATCC	ATCC CCL-23	
HEPES $\geq 99.5\%$	Sigma	H3375	
L-Glutamine (200 mM)	ThermoFisher Scientific	25030024	
LIPOFECTAMINE 2000 REAGENT	ThermoFisher Scientific	11668019	Protocol in step 2.3. is optimized for this reagent.
MEM (10X), no glutamine	ThermoFisher Scientific	11430030	
MEM, GlutaMAX Supplement	ThermoFisher Scientific	41090-028	
MgSO4 ReagentPlus, $\geq 99.5\%$	Sigma	M7506	
Opti-MEM I Reduced Serum Medium	ThermoFisher Scientific	51985-026	
Paraformaldehyde Aqueous Solution, 32%, EM Grade	Electron Microscopy Sciences	15714	
Penicillin-Streptomycin (10,000 U/mL)	ThermoFisher Scientific	15140122	
Plasmids		not commercially available	see ref 21. Rameix-Welti et al, 2014
See Saw Rocker	VWR	444-0341	
Si RNA GAPDH	Dharmacon	ON-TARGETplus siRNA D-001810-10-05	SMARTpool and 3 of 4 individual siRNAs designed by Dharmacon.
Si RNA IMPDH2	Dharmacon	ON-TARGETplus siRNA IMPDH2 Pool- Human L-004330-00-0005	SMARTpool of 4 individual siRNAs designed by Dharmacon. Individual references and sequences J-004330-06: GGAAAGUUGCCCAUUGUAA; J-004330-07: GCACGGCGCUUUGGUGUUC;

			J-004330-08: AAGGGUCAAUCCACAAAUU; J-004330-09: GGUAUGGGUUCUCUCGAUG;
Si RNA RSV N	Dharmacon	ON-TARGETplus custom siRNA	UUCAGAAGAACUAGAGGCUAU and UUUCAUAAAUUCACUGGGUUA
SiRNA NT	Dharmacon	ON-TARGETplus Non-targeting Pool	
SiRNA transfection reagent	Dharmacon	DharmaFECT 1 Ref: T-2001-03	Protocol in steps 5.1 and 5.1.2 are optimized for this reagent.
Sodium Bicarbonate 7.5% solution	ThermoFisher Scientific	25080094	
Spectrofluorometer	Tecan	Tecan infinite M200PRO	