

Materials List for:

A Luciferase-Fluorescent Reporter Influenza Virus for Live Imaging and Quantification of Viral Infection

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Materials

Name	Company	Catalog Number	Comments
12-well Cell Culture Plate	Greiner Bio-one	665102	
24-well Cell Culture Plate	Greiner Bio-one	662160	
6-well Cell Culture Plate	Greiner Bio-one	657160	
96-well Cell Culture Plate	Greiner Bio-one	655-180	
Adobe Photoshop CS4	Adobe		This software is used in 3.1.10 and 4.4.7
Bovine Albumin solution (BA)	Sigma-Aldrich	A7409	Store at 4 °C
Bovine Serum Albumin (BSA)	Sigma-Aldrich	A9647	Store at 4 °C
Cell Culture dishes 100mm	Greiner Bio-one	664-160	
ChemiDoc MP Imaging System	BioRad		This instrument is used in 4.4.7
Crystal Violet	Thermo Fisher Scientific	C581-100	Store at Room temperature
Dounce Tissue Grinders	Thomas Scientific	7722-7	
Dulbecco's modified Eagle's medium (DMEM)	Corning Cellgro	15-013-CV	Store at 4 °C
Fetal Bovine Serum (FBS)	Seradigm	1500-050	Store at -20 °C
Five- to seven-week-old female BALB/c mice	National Cancer Institute (NCI)	555	
Isoflurane	Baxter	1001936040	Store at Room temperature
IVIS Spectrum	PerkinElmer	124262	This instrument is used for in vivo imaging (4.2 and 4.3)
IX81 Motorized Inverted Microscope	Olympus	Olympus IX81	
Living Image 4.7.2 software	PerkinElmer		This instrument is used for in vivo imaging (4.2 and 4.3)
Lumicount	Packard		This instrument is used for quantifying luciferase activity (3.2.6)
Madin-Darby Canine Kidney (MDCK) epithelial cells	ATCC	CCL-34	
Monoclonal Antibody anti-NP Influenza A Virus HB-65	ATCC	H16-L10-4R5	Store at -20 °C
Nano-Glo Luciferase Assay Reagent	Promega	N1110	This reagent is used to measure Nluc activity. Store at -20 °C
Neutral Buffered Formalin 10%	EMD	65346-85	Store at RT
Nunc MicroWell 96-Well Microplates	Thermo Fisher Scientific	269620	

Penicillin/Streptomycin (PS) 100x	Corning	30-00-CI	Store at -20 °C
Penicillin/Streptomycin/L-Glutamine (PSG) 100x	Corning	30-009-CI	Store at -20 °C
Retiga 20000R Fast1394 Camera	Qimaging	Retiga 2000R	
Scanner	HP		
Texas Red-conjugated anti-mouse-rabbit secondary antibodies	Jackson	715-075-150	Store at -20 °C
Tosylsulfonyl phenylalanyl chloromethyl ketone (TPCK)-treated trypsin	Sigma-Aldrich	T8802	Store at -20 °C
Triton X-100	J.T.Baker	X198-07	Store at RT
Vmax Kinetic plate reader	Molecular Devices		