

Materials List for

Application of Ha-CoV-2 Pseudovirus for Rapid Quantification of SARS-CoV-2 Variants and Neutralizing Antibodies

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jove.com/video/65793

Materials

Name	Company	Catalog Number	Comments
27VB1 20 µg SARS-CoV-2 Standard Neutralizing Antibody	Virongy Biosciences	27VBI-01	
500 mL - US Origin FBS	Neuromics	FBS001	
AB Mixing Plate: Olympus 96-Well PCR Plate, Non-Skirted UltraThin Wall, Natural, 25 Plates/Unit	Genesee Scientific	Cat# 24-300	
Allegra 6R Centrifuge	Beckman Coulter	2043-30-1158	
DMEM (1x)	ThermoFisher	11995-073	
GenClone 25-209, TC Treated Flasks, 250ml, Vent Growth Area: 75.0cm ² , 5 per Sleeve, 100 Flasks/ Unit	Genesee Scientific	25-209	
GlowMax Discover Microplate reader	Promega	GM3000	
Ha-CoV-2 E Vector	Virongy Biosciences	pCoV2_E	
Ha-CoV-2 M Vector	Virongy Biosciences	pCoV2_M	
Ha-CoV-2 N Vector	Virongy Biosciences	pCoV2_N	
Ha-CoV-2 WT S Vector	Virongy Biosciences	pCoV2_WT S	
Hek293T cells	ATCC	CRL-3214	
Illumination Firefly Luciferase Enhanced Assay Kit 1000 assays	Gold Bio	I-930-1000	
Infection Plate: 96-Well Tissue Culture Plate, Greiner Bio-One (With Lid, µClear White Flat Round, Chimney)	VWR	Cat# 82050-758	
pAlphaPro-Luc-GFP-PreΨ (Ha-CoV-2 Genome) Vector	In house		
PEI-based Transfection Reagent	Virongy Biosciences	Transfectin	
Penicillin-Streptomycin-Glutamine (100X)	Invitrogen	10378016	
Polyethylenimine, branched	Millipore Sigma	408727-100ML	

QuantStudio 7 Pro Real-Time PCR System	ThermoFisher	A43163	
Ready to use (HEK293T)(ACE2/TMPRSS2) Cells	Virongy Biosciences	Ready-To-Use-Cells	
SARS-CoV-2 S Omicron (B.1.1.529) Vector	Virongy Biosciences	pCoV2-B.1.1.529	
SARS-CoV-2 S Delta (B.1.617.2) Vector	Virongy Biosciences	pCoV2- B.1.617.2	
Syringe Filters, PES, 0.22µm	Genesee Scientific	25-244	
TaqMan Fast Virus 1-Step Master Mix	ThermoFisher	4444432	
Trypan Blue Solution, 0.4%	ThermoFisher	15250061	