

Supplementary table 1: Overview of viruses and target cell line characteristics used in the study.

	HCV	ZIKV	MERS-CoV	SARS-CoV	BCoV	EBOV	H1N1	MVA
Family	<i>Flaviviridae</i>	<i>Flaviviridae</i>	<i>Coronaviridae</i>	<i>Coronaviridae</i>	<i>Coronaviridae</i>	<i>Filoviridae</i>	<i>Orthomyxoviridae</i>	<i>Poxviridae</i>
Strain	HCV Jc1	ZIKV MP1751	MERS-CoV EMC (Rotterdam)	SARS-CoV Frankfurt 1 (Bonn)	BCoV L9	EBOV Z Mayinga	H1N1	MVA
Genome	RNA, ss(+)	RNA, ss(+) linear	RNA, ss(+) linear	RNA, ss(+) linear	RNA, ss(+) linear	RNA, ss(-)	RNA, ss(-) segmented	DNA, ds linear
Transmission route	Blood	Arthropod vector, trans-placental	Aerosols of respiratory secretions	Aerosols of respiratory secretions	Fecal-oral and aerosols of respiratory secretions	Blood and body fluids	Aerosols of respiratory secretions	Aerosols of respiratory secretions and body fluids
Cell culture	Huh7.5 cell line	Vero-B4 cell line	Vero-B4 cell line	Vero-B4 cell line	U373 cell line	Vero-E6 cell line	MDCK cell line	BHK 21-cell line
Culture medium	DMEM , 10% fetal bovine serum (FCS), 1% nonessential amino acids, 100 µg/mL streptomycin and 100 IU/mL penicillin				EMEM, 10% FCS, 1% nonessential amino acids, 1 % sodium pyruvate and 1% L-glutamine	DMEM, 10% FCS, 1% nonessential amino acids	EMEM, 10% FCS and 1% L-glutamine	EMEM, 10% FCS and 1% L-glutamine