



DATASHEET

REAGENT	A549-ACE2-TMPRSS2
REPOSITORY REFERENCE	101004
LOT NUMBER	06102020
DESCRIPTION	The A549 cell line has been transduced to express human ACE2, selected under hygromycin B, further transduced to express human TMPRSS2 under selection of geneticin. This cell line is not derived from a clone but are a pool of hygromycin and neomycin resistant cells. The resulting A549-ACE2-TMPRSS2 cells are highly susceptible to SARS-CoV-2 infection.
SPECIES/TYPE	Adenocarcinomic human alveolar basal epithelial cells
CULTURE	<u>Media</u> F-12K Nut Mix Heat inactivated Foetal bovine serum, 10% 2mg/ml Geneticin (G418) 200 µg/ml Hygromycin B 100 Units Penicillin and 100µg Streptomycin/ml (Optional)
NUMBER OF CELLS PER VIAL	3x1e6
STORAGE	Liquid nitrogen vapour
DEPOSITOR	Prof. Arvind Patel, The MRC-University of Glasgow Centre for Virus Research, The University of Glasgow.
REFERENCE	Rihn et al., (2020). Manuscript in preparation
ACKNOWLEDGMENTS	The acknowledgment should read: "The following reagent was obtained from NIBSC, thanks to the donation of Prof. Arvind Patel: A549-ACE2-TMPRSS2"