Medicines & Healthcare products Regulatory Agency

NIBSC

DATASHEET

REAGENT	VeroE6-ACE2-TMPRSS2
REPOSITORY REFERENCE	101003
LOT NUMBER	12102020
DESCRIPTION	The VeroE6 cell line has been transduced to express human ACE2, selected under hygromycin B, further transduced to express human TMPRSS2 and selected under geneticin. This cell line is not derived from a clone but are a pool of hygromycin and neomycin resistant cells. The resulting VeroE6-ACE2-TMPRSS2 cells are highly susceptible to SARS-CoV-2 infection.
SPECIES/TYPE	*Chlorocebus aethiops* - Grivet monkey. Transfer outside of the EU is subject to CITES regulations
CULTURE	Media Heat inactivated Foetal bovine serum, 10% 2mM Glutamine 2mg/ml Geneticin (G418) 200 µg/ml Hygromycin B 100 Units Penicillin and 100µg Streptomycin/ml (Optional) We recommend to recover the cells in one T25 flask. **Note that the viability post thaw is low, however, the cells reach confluency 2-3 days post thaw and then grow as expected.**
NUMBER OF CELLS PER VIAL	2x1e6
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
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