

DATASHEET
For Research Use Only

NAME: VeroE6/TMPRSS2

CATALOGUE NUMBER **100978**

DESCRIPTION The VeroE6 cell line has been modified to constitutively express the serine protease TMPRSS2, under selection of geneticin. The resulting VeroE6/TMPRSS2 cells were shown to be highly susceptible to SARS-CoV-2 infection and can be used to produce large viral stock.

SPECIES/TYPE: *Chlorocebus aethiops* - Grivet monkey. Transfer outside of the UK is subject to CITES regulations.

CULTURE MEDIUM: DMEM, 90%
Heat Inactivated Foetal bovine serum, 10%
2mM Glutamine
1mg/ml Geneticin (G418)

STORAGE: Liquid nitrogen vapour

DEPOSITOR: Dr. Makoto Takeda and donated to CFAR from the Japanese Collection of Research Bioresources Cell Bank (JCRB), National Institutes of Biomedical Innovation, Health and Nutrition.

REFERENCE: Enhanced isolation of SARS-CoV-2 by TMPRSS2-expressing cells. Matsuyama S et.al. Proc Natl Acad Sci U S A. 2020 Mar 31;117(13):7001-7003

Consensus and variations in cell line specificity among human metapneumovirus strains. Nao N e. al. PLoS One. 2019;14(4):e0215822

ACKNOWLEDGEMENTS The acknowledgment should read: "The [*Insert reagent name*] was provided by the NIBSC Research Reagent Repository, UK. With thanks to [*Insert Depositor*]."

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR, this can be by e-mail or printed copy.

MATERIAL SAFETY SHEET

Physical properties (at room temperature)			
Physical appearance	Yellow/Pink, liquid		
Fire hazard	None		
Chemical properties			
Stable	Yes	Corrosive:	No
Hygroscopic	No	Oxidising:	No
Flammable	No	Irritant:	No
Other: This product is a cell line; It is the responsibility of the end user to seek local biosafety approval for the storage and handling of the material in their workplace			
Handling: CAUTION - This preparation is not for administration to humans or animals in the human food chain. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols.			
Toxicological properties			
Effects of inhalation:	Not established, avoid inhalation		
Effects of ingestion:	Not established, avoid ingestion		
Effects of skin absorption:	Not established, avoid contact with skin		
Suggested First Aid			
Inhalation	Seek medical advice		
Ingestion	Seek medical advice		
Contact with eyes	Wash with copious amounts of water. Seek medical advice.		
Contact with skin	Wash thoroughly with water.		

Action on Spillage and Method of Disposal

Spillage of vial contents should be taken up with absorbent material wetted with a suitable disinfectant. Rinse area with a virucidal agent followed by water.

Absorbent materials used to treat spillage should be treated as biologically hazardous waste.