DATASHEET
For Research Use Only

NAME A549-ACE2-clone 8

CATALOGUE NUMBER **101005**

DESCRIPTION The A549 cell line has been transduced to express human ACE2, selected under hygromycin B The A549 cell line has been transduced to express human ACE2, selected under hygromycin B and cloned. The resulting A549-ACE2 clone 8 cells are highly susceptible to SARS-CoV-2 infection.

SPECIES/TYPE Adenocarcinomic human alveolar basal epithelial cells.

CULTURE MEDIUM

Media
F-12K Nut Mix
Heat inactivated Foetal bovine serum, 10%
2mM Glutamine
200 µg/ml Hygromycin B
100 Units Penicillin and 100ug Streptomycin/ml (Optional)

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*. A plasmid DNA-launched SARS-CoV-2 reverse genetics system and coronavirus toolkit for COVID-19 research. PLOS Biology, 2021. https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3001091

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.

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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.			