

## VERO | 605372

**Description**   
VERO is a continuous cell line derived from a primary culture of kidney cells from a 13-year-old African child. It is a non-adherent, epithelial cell line that grows in suspension culture. VERO cells are highly susceptible to a wide range of viruses, including adenoviruses, herpesviruses, and poxviruses. VERO cells are commonly used in virology research and vaccine production. VERO 24 is a variant of VERO cells that is highly susceptible to adenoviruses. VERO 76 is a variant of VERO cells that is highly susceptible to poxviruses. VERO E6 is a variant of VERO cells that is highly susceptible to herpesviruses.

**Organism**   
VERO (VERO cells)

**Tissue**   
VERO

**Applications**   
VERO cells are used for the production of vaccines and for the study of viral infections.

**Synonyms**   
VERO, VERO 24, VERO 76, VERO E6

**Age**   
VERO

**Gender**   
VERO

**Morphology**   
VERO cells are epithelial cells that grow in suspension culture.

**Growth properties**   
VERO cells are highly susceptible to a wide range of viruses.

**Citation**   
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**Biosafety level**   
1

**NCBI\_TaxID**   
60711

**CellosaurusAccession**   
CVCL\_0059

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<b>Receptors expressed</b>	VERO cells express a wide range of receptors including ACE2, TMPRSS2, and others, making them susceptible to SARS-CoV-2 infection.
<b>Viruses</b>	VERO cells are susceptible to a variety of viruses, including Adenovirus, Herpesvirus, and others.
<b>Virus susceptibility</b>	VERO cells are highly susceptible to a wide range of viruses, including Adenovirus, Herpesvirus, and others.
<b>Reverse transcriptase</b>	VERO cells do not express reverse transcriptase.
<b>Mutational profile</b>	VERO cells have a high mutational profile, with a mutation rate of approximately 1.2 x 10 <sup>-6</sup> per base pair per generation.
<b>Culture Medium</b>	DMEM: DMEM:Ham's F12 (1:1) 3.1 g/l / 2.5 g/l 15 g/l (15 g/l 10% FBS)
<b>Supplements</b>	10% FBS
<b>Dissociation Reagent</b>	Trypsin
<b>Subculturing</b>	VERO cells are subcultured using trypsin and PBS.
<b>Seeding density</b>	1 x 10 <sup>4</sup> / well
<b>Fluid renewal</b>	2-3 times per week
<b>Freeze medium</b>	VERO cells are frozen in DMEM:Ham's F12 (1:1) 3.1 g/l / 2.5 g/l 15 g/l (15 g/l 10% FBS) + 10% DMSO.

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Thawing and Culturing Cells

1. [Redacted]
2. [Redacted]
3. [Redacted]
4. [Redacted]
5. [Redacted]
6. [Redacted]
7. [Redacted]
8. [Redacted]

**Incubation Atmosphere** 37 [Redacted]

**Flask Coating** [Redacted]

**Freezing Procedure** [Redacted]

**Shipping Conditions** [Redacted]

**Storage Conditions** [Redacted]

/ / HLA

**Sterility** [Redacted]