

## VERO | 605372

**Description**   
VERO is a continuous cell line derived from a primary culture of kidney cells from a 13-year-old child. It is a non-adherent, epithelial cell line that grows in suspension culture. The cells are highly sensitive to a wide range of viruses, including measles virus, mumps virus, and varicella-zoster virus. VERO cells are commonly used in virology research and for the production of vaccines.   
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**Organism** *VERO* (Epithelial cell)

**Tissue** Kidney

**Applications** Virus production, cell culture

**Synonyms** VERO, VERO 81, VERO 81, VERO 81

**Age** 13 years

**Gender** Male

**Morphology** Epithelial cells

**Growth properties** Non-adherent, suspension culture

**Citation** VERO (ATCC CCL-81 | 605372)

**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 highly susceptible to SARS-CoV-2 infection.
<b>Viruses</b>	VERO cells are highly susceptible to a wide range of viruses, including SARS-CoV-2, Adenovirus, and others.
<b>Virus susceptibility</b>	VERO cells are highly susceptible to a wide range of viruses, including SARS-CoV-2, Adenovirus, 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 high frequency of mutations in the viral genome.
<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 15 g/l 15 g/l)
<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>	$1 \times 10^4$ cells/cm <sup>2</sup>
<b>Fluid renewal</b>	2-3 days
<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 15 g/l 15 g/l) + 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]