

Resource Summary Report

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Vero

RRID:CVCL_0059

Type: Cell Line

Proper Citation

RCB Cat# RCB0001, RRID:CVCL_0059

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0059

Proper Citation: RCB Cat# RCB0001, RRID:CVCL_0059

Description: Cell line Vero is a Spontaneously immortalized cell line with a species of origin *Chlorocebus sabaeus* (Green monkey)

Sex: Female

Defining Citation: [PMID:2260226](#), [PMID:4043530](#), [PMID:6027511](#), [PMID:6298990](#), [PMID:10403033](#), [PMID:10494966](#), [PMID:12667817](#), [PMID:15731278](#), [PMID:16494729](#), [PMID:19003288](#), [PMID:19016439](#), [PMID:19768803](#), [PMID:19941903](#), [PMID:22059503](#), [PMID:24975811](#), [PMID:25267831](#), [PMID:25903999](#), [PMID:28386771](#), [PMID:32376603](#), [PMID:32511316](#), [PMID:33389257](#)

Comments: Anecdotal: Verda reno means green kidney in Esperanto and Vero means truth also in Esperanto., Virology: Susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19). But Vero C1008 (often known as Vero E6) (Cellosaurus=CVCL_0574) seems to be more appropriate for amplification and quantification (PubMed=32511316; PubMed=33389257)., Virology: Susceptible to infection by SARS coronavirus (SARS-CoV). Produces a lytic infection (PubMed=15731278; PubMed=16494729)., Biotechnology: Used for the production of the Sinovax SARS-CoV-2 (COVID-19) vaccine (Trade name: CoronaVac; also known as PiCoVacc) (DrugBank=DB15806). The cell line is used to produce the inactivated SARS-CoV-2 virus strain CN02 (PubMed=32376603)., Biotechnology: Used for the production of the Bharat Biotech SARS-CoV-2 (COVID-19) vaccine (Trade name: Covaxin; also known as BBV152) (DrugBank=DB15847). The cell line is used to produce an inactivated SARS-CoV-2 virus strain., Biotechnology: Used for the production of the tetravalent dengue vaccine (Trade Name: Dengvaxia)., Biotechnology: Used for the production of the live smallpox (vaccinia) vaccine (Trade name: ACAM2000)., Biotechnology: Used for the production of the live oral rotavirus vaccine (Trade Name: Rotarix)., Biotechnology: Used for the production of the Chromatographically Purified Rabies Vaccine (CPRV).,

Biotechnology: Used for the production of the Purified Vero-cell Rabies Vaccine (PVRV) (Trade name: VERORAB)., Biotechnology: Used for the production of the inactivated poliovirus vaccine (Trade name: Imovax Polio)., Biotechnology: Used for the production of the Japanese encephalitis virus (JEV) vaccine (Trade name: IXIARO/JESPECT)., Part of: Naval Biosciences Laboratory (NBL) collection (transferred to ATCC in 1982)., Group: Vaccine production cell line., Group: Non-human primate cell line.

Category: Spontaneously immortalized cell line

Organism: *Chlorocebus sabaeus* (Green monkey)

Name: Vero

Synonyms: VERO, VeroCCL81, Vero 81, Vero-81, Verda reno

Cross References: BTO:BTO_0001444, CLO:CLO_0009524, CLO:CLO_0050515, EFO:EFO_0022734, MCCL:MCC:0000480, CLDB:cl4643, CLDB:cl4644, CLDB:cl4645, CLDB:cl4648, CLDB:cl4649, CLDB:cl4650, CLDB:cl4651, CLDB:cl5170, AddexBio:P0014002/4920, ATCC:CCL-81, ATCC:CCL-81.4, ATCC:CRL-6318, BCRC:60013, BCRJ:0245, CCLV:CCLV-RIE 0015, CCLV:CCLV-RIE 0078, CCRID:1101MON-PUMC000060, CCRID:1102MON-NIFDC00001, CCRID:3101MONGNO10, CCRID:3101MONSCSP520, CCRID:4201MON-CCTCC00029, CCRID:5301MON-KCB92017YJ, CCTCC:GDC0029, ChEMBL-Cells:ChEMBL3307520, ChEMBL-Targets:ChEMBL391, CLS:605372, ECACC:08011101, ECACC:84113001, FCS-free:165-11-307-1-16-6, FCS-free:29-11-249-1-3-3, FCS-free:29-11-31-2-4-4, FCS-free:29-11-338-1-16-3, FCS-free:29-11-420-1-16-12, FCS-free:29-11-433-1-16-12, FCS-free:29-11-47-1-8-9, FCS-free:29-11-566-1-17-2, FCS-free:29-11-587-1-18-2, IBRC:C10001, ICLC:ATL95005, IZSLER:BS CL 86, JCRB:IFO50471, JCRB:JCRB0111, JCRB:JCRB9013, KCB:KCB 92017YJ, KCLB:10081, Lonza:173, MeSH:D014709, MetaboLights:MTBLS2840, NCBI_Iran:C101, PubChem_Cell_line:CVCL_0059, RCB:RCB0001, TKG:TKG 0280, TOKU-E:3415, Ubigen:YC-A001, Wikidata:Q3066564

ID: CVCL_0059

Vendor: RCB

Catalog Number: RCB0001

Record Creation Time: 20220427T221708+0000

Record Last Update: 20260816T000126+0000

Ratings and Alerts

No rating or validation information has been found for Vero.

Warning: Discontinued: ATCC; CRL-6318

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Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 13702 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Xiao Y, et al. (2026) RNAi Regulator C3PO Promotes Arbovirus Infection in Insect Vectors. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(4), e15869.

Kumi J, et al. (2026) In Vitro Cytotoxicity Assessment of Leaves of *Tieghemella heckelii* on Breast (MDA-MB-468), Liver (HepG2), and Prostate (PC3) Cancer Cell Lines. *BioMed research international*, 2026(1), e2002140.

Yang Q, et al. (2026) MSH6 regulates cGAS activity in antiviral and antitumor signaling pathways by governing its cytosolic/nuclear distribution. *Cell reports*, 45(3), 117059.

Aboshi M, et al. (2026) Safety, immunogenicity, and optimal dosing of VLPCOV-02, a SARS-CoV-2 saRNA vaccine with modified 5-methylcytosine base. *iScience*, 29(2), 114766.

Ren T, et al. (2026) Defining the impact of Getah virus envelope protein glycosylation site mutations on viral replication, host adaptation, virulence, and immune evasion. *PLoS pathogens*, 22(4), e1014126.

Yao T, et al. (2026) Marburg Virus Glycoprotein Is a Remarkable Virulent Factor Linked to Hemorrhagic Pathology: Evidence from Multimodal Experimental Systems. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(39), e11575.

Nua T, et al. (2026) In vitro and in vivo characterization of a novel HSV-1 H129 neurotracer recombinant reveals dose-dependent replication and spread dynamics. *Journal of virology*, e0202125.

Han J, et al. (2026) A chemical agonist and the Golgi-resident lipid PI4P activate STING by inducing transmembrane helix rearrangement. *Immunity*, 59(1), 34.

Al-Qudah MA, et al. (2026) Chemical Composition and Biological Activities of *Alkanna strigosa* Essential Oil: GC-MS Analysis, LC-MS/MS Profiling of Extracts, Antioxidant, and Anticholinesterase Evaluation. *Chemistry & biodiversity*, 23(6), e71444.

Hage A, et al. (2026) The paraspeckle protein NONO potentiates the antiviral innate immune response through chromatin regulation. *bioRxiv : the preprint server for biology*.

Acciani M, et al. (2026) Human neutralizing antibodies targeting the measles virus hemagglutinin and fusion surface proteins. *Cell host & microbe*, 34(6), 1067.

Woida PJ, et al. (2026) Proximity labeling of the *Listeria monocytogenes* surface reveals pathogen control of a host deubiquitinase. *bioRxiv : the preprint server for biology*.

Koutsaviti A, et al. (2026) Isolation of Metabolites With Antiviral Activity From the Brown Algae *Dictyota fasciola* and *Dictyota mediterranea*. *Chemistry & biodiversity*, 23(6), e71433.

Lv B, et al. (2026) ARF-like GTPase 8B orchestrates lipophagy and exocytosis to drive single-stranded RNA virus replication. *Journal of translational medicine*, 24(1).

Cancela S, et al. (2026) Protocol to enhance pre-sexual and sexual differentiation of *Toxoplasma gondii* using retinal cells and intestinal organoid-derived monolayers. *STAR protocols*, 7(1), 104367.

Liu E, et al. (2026) Oral milk exosome-PLGA nanoparticles enhance anti-tuberculosis efficacy of PBTZ169 and bedaquiline. *iScience*, 29(5), 115641.

Antunes Fernandes K, et al. (2026) Maternal helminths rewire the microbiota to promote offspring antiviral immunity. *Cell host & microbe*, 34(6), 1050.

Lin SC, et al. (2026) MyD88 signaling in myeloid cells induces gastrointestinal tract injury and systemic inflammation after West Nile virus infection. *Cell reports*, 45(1), 116852.

Fan L, et al. (2026) Molecular characterization of Ebola virus glycoprotein V75A substitution in the 2018-2020 epidemic. *Cell*, 189(3), 818.

Rivera-Caraballo KA, et al. (2026) Oncolytic HSV-1-Mediated JAG1 Blockade Induces Glioma Senescence-Associated Secretory Phenotype to Increase Macrophage Activation and Cetuximab-Mediated Senolysis. *Cancer research*, 86(5), 1232.