

Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

ECV-304

RRID:CVCL_2029

Type: Cell Line

Proper Citation

RRID:CVCL_2029

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2029

Proper Citation: RRID:CVCL_2029

Description: Cell line ECV-304 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Bladder carcinoma

Defining Citation: [PMID:1378828](#), [PMID:1690702](#), [PMID:1817644](#), [PMID:9290701](#), [PMID:10508494](#), [PMID:10614862](#), [PMID:10653001](#), [PMID:11416159](#), [PMID:11669284](#), [PMID:12197766](#), [PMID:12453433](#), [PMID:20143388](#), [PMID:27554326](#), [PMID:33389257](#)

Comments: Miscellaneous: Formerly the CCRID database had 2 entries describing this cell line (3111C0002000000074, 3142C0001000000023). They were one of the sources for the STR profile of this entry., Virology: Not susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=33389257)., Population: Caucasian; Swedish., Problematic cell line: Contaminated. Shown to be a T24 derivative (DOI=10.11418/jtca1981.18.4_329; PubMed=10508494; PubMed=10614862; PubMed=12197766; PubMed=20143388). Originally thought to originate from endothelial cells obtained from the umbilical vein of a healthy donor..

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: ECV-304

Synonyms: ECV 304, ECV304, ECV, E304, T24(ECV304)

Cross References: BTO:BTO_0002043, CLO:CLO_0002881, CLO:CLO_0002882, EFO:EFO_0022389, CLDB:cl1136, CLDB:cl5185, ATCC:CRL-1998, BCRJ:0283,

BioSample:SAMN03151937, BioSample:SAMN03471274, cancercelllines:CVCL_2029, ChEMBL-Cells:ChEMBL3307513, ChEMBL-Targets:ChEMBL614035, CLS:300452, Cosmic:1466801, DSMZ:ACC-310, DSMZCellDive:ACC-310, ECACC:92091712, IZSLER:BS CL 137, JCRB:JCRB0744, JCRB:NIHS0220, PRIDE:PXD004340, PubChem_Cell_line:CVCL_2029, Wikidata:Q54831948

ID: CVCL_2029

Hierarchy: cvcl_0554

Record Creation Time: 20220427T215828+0000

Record Last Update: 20260905T175250+0000

Ratings and Alerts

No rating or validation information has been found for ECV-304.

Warning: Problematic cell line: Contaminated. Shown to be a T24 derivative (DOI=10.11418/jtca1981.18.4_329; PubMed=10508494; PubMed=10614862; PubMed=12197766; PubMed=20143388). Originally thought to originate from endothelial cells obtained from the umbilical vein of a healthy donor.

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00117.

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Miscellaneous: Formerly the CCRID database had 2 entries describing this cell line (3111C0002000000074, 3142C0001000000023). They were one of the sources for the STR profile of this entry., Virology: Not susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=33389257)., Population: Caucasian; Swedish., Problematic cell line: Contaminated. Shown to be a T24 derivative (DOI=10.11418/jtca1981.18.4_329; PubMed=10508494; PubMed=10614862; PubMed=12197766; PubMed=20143388). Originally thought to originate from endothelial cells obtained from the umbilical vein of a healthy donor.. **Warning:** Discontinued: JCRB; NIHS0220

Miscellaneous: Formerly the CCRID database had 2 entries describing this cell line (3111C0002000000074, 3142C0001000000023). They were one of the sources for the STR profile of this entry., Virology: Not susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=33389257)., Population: Caucasian; Swedish., Problematic cell line: Contaminated. Shown to be a T24 derivative (DOI=10.11418/jtca1981.18.4_329; PubMed=10508494; PubMed=10614862; PubMed=12197766; PubMed=20143388). Originally thought to originate from endothelial cells obtained from the umbilical vein of a healthy donor.. **Warning:** Discontinued: BCRJ;

0283

Miscellaneous: Formerly the CCRID database had 2 entries describing this cell line (3111C0002000000074, 3142C0001000000023). They were one of the sources for the STR profile of this entry., Virology: Not susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=33389257)., Population: Caucasian; Swedish., Problematic cell line: Contaminated. Shown to be a T24 derivative (DOI=10.11418/jtca1981.18.4_329; PubMed=10508494; PubMed=10614862; PubMed=12197766; PubMed=20143388). Originally thought to originate from endothelial cells obtained from the umbilical vein of a healthy donor..

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 121 mentions in open access literature.

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

Manjunathan R, et al. (2025) Human recombinant leptin-induced nitric oxide release from endothelium depends on the membrane localization pattern of endothelial nitric oxide synthase. *Tissue & cell*, 97, 103083.

Fujiwara TK, et al. (2023) Development of ultrafast camera-based single fluorescent-molecule imaging for cell biology. *The Journal of cell biology*, 222(8).

Fujiwara TK, et al. (2023) Ultrafast single-molecule imaging reveals focal adhesion nano-architecture and molecular dynamics. *The Journal of cell biology*, 222(8).

Tian T, et al. (2022) Analysis of co-expression gene network associated with intracranial aneurysm and type 2 diabetes mellitus. *Frontiers in neurology*, 13, 1032038.

Pan J, et al. (2022) Scopoletin protects retinal ganglion cells 5 from high glucose-induced injury in a cellular model of diabetic retinopathy via ROS-dependent p38 and JNK signaling cascade. *Central-European journal of immunology*, 47(1), 20.

de França NR, et al. (2022) Characterization and use of the ECV304 autoantigenic citrullinome to understand anti-citrullinated protein/peptide autoantibodies in rheumatoid arthritis. *Arthritis research & therapy*, 24(1), 23.

Luo X, et al. (2022) Recombinant expression a novel fibronectin-collage fusion peptide modulating stem cell stemness via integrin $\alpha 3$. *Applied microbiology and biotechnology*, 106(9-10), 3765.

Li Y, et al. (2022) Necroptosis Plays a Crucial Role in Vascular Injury during DVT and Is Enhanced by IL-17B. *Journal of immunology research*, 2022, 6909764.

He H, et al. (2021) Evaluation of Fluorescent Cu²⁺ Probes: Instant Sensing, Cell Permeable Recognition and Quantitative Detection. *Molecules (Basel, Switzerland)*, 26(2).

Morange PE, et al. (2021) A rare coding mutation in the MAST2 gene causes venous thrombosis in a French family with unexplained thrombophilia: The Breizh MAST2 Arg89Gln variant. *PLoS genetics*, 17(1), e1009284.

Petkovic S, et al. (2021) Circular versus linear RNA topology: different modes of RNA-RNA interactions in vitro and in human cells. *RNA biology*, 18(sup2), 674.

Nguyen YTH, et al. (2021) The Orientia tsutsugamushi ScaB Autotransporter Protein Is Required for Adhesion and Invasion of Mammalian Cells. *Frontiers in microbiology*, 12, 626298.

Böhm JK, et al. (2021) Plasmatic and cell-based enhancement by microparticles originated from platelets and endothelial cells under simulated in vitro conditions of a dilutional coagulopathy. *Scandinavian journal of trauma, resuscitation and emergency medicine*, 29(1), 38.

Dubois J, et al. (2021) The human TRAM1 locus expresses circular RNAs. *Scientific reports*, 11(1), 22114.

Alonso-Garrido M, et al. (2021) The role of pumpkin pulp extract carotenoids against mycotoxin damage in the blood brain barrier in vitro. *Arhiv za higijenu rada i toksikologiju*, 72(3), 173.

Famà R, et al. (2021) Deciphering the Ets-1/2-mediated transcriptional regulation of F8 gene identifies a minimal F8 promoter for hemophilia A gene therapy. *Haematologica*, 106(6), 1624.

Dubois J, et al. (2021) Transcriptome analyses of urine RNA reveal tumor markers for human bladder cancer: validated amplicons for RT-qPCR-based detection. *Oncotarget*, 12(10), 1011.

Oishi M, et al. (2020) Aquaporin 1 elicits cell motility and coordinates vascular bed formation by downregulating thrombospondin type-1 domain-containing 7A in glioblastoma. *Cancer medicine*, 9(11), 3904.

Chelladurai P, et al. (2020) Isoform-specific characterization of class I histone deacetylases and their therapeutic modulation in pulmonary hypertension. *Scientific reports*, 10(1), 12864.

Chandel S, et al. (2020) Hyperinsulinemia promotes endothelial inflammation via increased expression and release of Angiopoietin-2. *Atherosclerosis*, 307, 1.