

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

HMEC-1

RRID:CVCL_0307

Type: Cell Line

Proper Citation

RRID:CVCL_0307

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0307

Proper Citation: RRID:CVCL_0307

Description: Cell line HMEC-1 is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Male

Defining Citation: [PMID:1361507](#), [PMID:12453433](#)

Comments: Group: Patented cell line.

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: HMEC-1

Synonyms: Hmec-1, HMEC1, CDC/EU.HMEC-1, Human Microvascular Endothelial Cell line-1

Cross References: BTO:BTO_0002828, EFO:EFO_0005383, MCCL:MCC:0000200, ATCC:CRL-3243, ChEMBL-Cells:ChEMBL4295409, ChEMBL-Targets:ChEMBL4296433, CLS:304064, Lonza:736, PubChem_Cell_line:CVCL_0307, Wikidata:Q54889921

ID: CVCL_0307

Record Creation Time: 20220427T220436+0000

Record Last Update: 20260725T234254+0000

Ratings and Alerts

No rating or validation information has been found for HMEC-1.

Warning: Discontinued: ATCC; CRL-10636
Group: Patented cell line.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 759 mentions in open access literature.

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

Wang Y, et al. (2026) LncRNA DANCER Activates p38/mTOR-Mediated Autophagy via ANXA2 to Exacerbate Oxygen-Induced Retinal Neovascularization in Mice. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(1), e71364.

Nguyen-Tran HH, et al. (2025) Oncostatin M induces epigenetic reprogramming in renal cell carcinoma-associated endothelial cells. Communications biology, 8(1), 1541.

Acevedo-Sánchez Y, et al. (2025) Rickettsia parkeri forms extensive, stable contacts with the rough endoplasmic reticulum. The Journal of cell biology, 224(3).

Murphy A, et al. (2025) YAP1::TFE3 mediates endothelial-to-mesenchymal plasticity in epithelioid hemangioendothelioma. Molecular oncology.

Alfaro-García JP, et al. (2025) Characterization of the Temporal Dynamics of the Endothelial-Mesenchymal-like Transition Induced by Soluble Factors from Dengue Virus Infection in Microvascular Endothelial Cells. International journal of molecular sciences, 26(5).

Alders L, et al. (2025) The role of IGF-2 and its variants in enhancing endothelial migration and angiogenesis. Frontiers in cell and developmental biology, 13, 1598705.

Szczesny-Malysiak E, et al. (2025) NO-induced change in the oxidation state of cytochrome c in endothelial cells monitored by resonance Raman imaging. Free radical biology & medicine, 239, 472.

Zhao B, et al. (2025) Development of a simplified and scalable hydrogel-based method for 3D cell culture. Science progress, 108(2), 368504251347478.

Li C, et al. (2025) NIR Ratiometric Fluorescent Antibody-Drug Conjugate for Metastatic Ovarian Cancer Theranostics and Treatment Response Monitoring. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e16607.

Li X, et al. (2025) Pericytes promote metastasis by regulating tumor local vascular tone and hemodynamics. Nature communications, 16(1), 7115.

Latreille E, et al. (2025) Phenotypic screening in influenza-infected zebrafish identifies Nrf2-mediated compound protective against ischemia-reperfusion injury. *iScience*, 28(8), 113065.

Mantion CF, et al. (2025) Evaluation of dasatinib and ponatinib for the control of CD123 CAR-T cell functionalities. *Molecular therapy. Oncology*, 33(4), 201097.

Rodrigues-Diez R, et al. (2024) Resolvin D2 prevents vascular remodeling, hypercontractility and endothelial dysfunction in obese hypertensive mice through modulation of vascular and proinflammatory factors. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 174, 116564.

Szczesny-Malysiak E, et al. (2024) Label-free tracking of cytochrome C oxidation state in live cells by resonance Raman imaging. *FEBS letters*, 598(16), 1981.

Fredon M, et al. (2024) Impact of scFv on Functionality and Safety of Third-Generation CD123 CAR T Cells. *Cancer immunology research*, 12(8), 1090.

Allerkamp HH, et al. (2023) Synergistic regulation of uterine radial artery adaptation to pregnancy by paracrine and hemodynamic factors. *American journal of physiology. Heart and circulatory physiology*, 325(4), H790.

Steins A, et al. (2023) Cell death and barrier disruption by clinically used iodine concentrations. *Life science alliance*, 6(6).

Hikisz P, et al. (2023) Mechanistic Studies of Arene-Ruthenium(II) Complexes with Carbothioamidopyrazoles as Alternative Cancer Drugs. *Molecules (Basel, Switzerland)*, 28(9).

Gastoldi S, et al. (2023) An ex vivo test to investigate genetic factors conferring susceptibility to atypical haemolytic uremic syndrome. *Frontiers in immunology*, 14, 1112257.

Wang T, et al. (2023) ADSC-derived exosomes attenuate myocardial infarction injury by promoting miR-205-mediated cardiac angiogenesis. *Biology direct*, 18(1), 6.