

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci crunch.org) on Apr 15, 2025

HMEC-1

RRID:CVCL_0307

Type: Cell Line

Proper Citation

(CLS Cat# 304064, RRID:CVCL_0307)

Cell Line Information

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

Proper Citation: (CLS Cat# 304064, RRID:CVCL_0307)

Sex: Male

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

Comments: Group: Patented cell line.

Category: Transformed cell line

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

Vendor: CLS

Catalog Number: 304064

Record Creation Time: 20250131T200604+0000

Record Last Update: 20250131T201908+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 746 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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.

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.

Syed NA, et al. (2023) Molecular Link between Glo-1 Expression and Markers of Hyperglycemia and Oxidative Stress in Vascular Complications of Type 2 Diabetes Mellitus. *Antioxidants (Basel, Switzerland)*, 12(9).

Deng S, et al. (2023) Downregulation of RCN1 promotes pyroptosis in acute myeloid leukemia cells. *Molecular oncology*, 17(12), 2584.

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.

Li J, et al. (2023) Type H vessel/platelet-derived growth factor receptor ?+ perivascular cell disintegration is involved in vascular injury and bone loss in radiation-induced bone damage. *Cell proliferation*, e13406.

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.

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

Houdou M, et al. (2023) Novel Green Fluorescent Polyamines to Analyze ATP13A2 and ATP13A3 Activity in the Mammalian Polyamine Transport System. *Biomolecules*, 13(2).

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

Acevedo-Sánchez Y, et al. (2023) An obligate intracellular bacterial pathogen forms a direct, interkingdom membrane contact site. *bioRxiv : the preprint server for biology*.

Lien TS, et al. (2023) Simulation of Hemorrhage Pathogenesis in Mice through Dual Stimulation with Dengue Envelope Protein Domain III-Coated Nanoparticles and Antiplatelet Antibody. *International journal of molecular sciences*, 24(11).

Huang L, et al. (2023) IRF7 and IFIT2 in mediating different hemorrhage outcomes for non-small cell lung cancer after bevacizumab treatment. *Journal of thoracic disease*, 15(4), 2022.

Pomatto MAC, et al. (2023) Plant-Derived Extracellular Vesicles as a Delivery Platform for RNA-Based Vaccine: Feasibility Study of an Oral and Intranasal SARS-CoV-2 Vaccine. *Pharmaceutics*, 15(3).

Franczak MA, et al. (2023) Metabolic Effects of New Glucose Transporter (GLUT-1) and Lactate Dehydrogenase-A (LDH-A) Inhibitors against Chemoresistant Malignant Mesothelioma. *International journal of molecular sciences*, 24(9).

Bruch-Oms M, et al. (2023) Analyzing the role of cancer-associated fibroblast activation on macrophage polarization. *Molecular oncology*, 17(8), 1492.

Gallo N, et al. (2023) Development of L-Lysine-Loaded PLGA Microparticles as a Controlled Release System for Angiogenesis Enhancement. *Pharmaceutics*, 15(2).

Andersson-Rusch C, et al. (2023) High concentrations of soluble endoglin can inhibit BMP9 signaling in non-endothelial cells. *Scientific reports*, 13(1), 6639.

Safavi F, et al. (2023) In vitro wound healing potential of cyclohexane extract of *Onosma dichroantha* Boiss. based on bioassay-guided fractionation. *Scientific reports*, 13(1), 5018.