

HMEC-1 | 304064

General information

Description	HMEC-1, also known as HMEC1, is a human mammary epithelial cell line. It is derived from a primary mammary epithelial cell line and is characterized by its ability to form mammary-like structures in culture. HMEC-1 cells express markers for mammary epithelial cells, including CD31 (PECAM-1), E-cadherin, and keratins. They are used in research on mammary cancer and normal mammary development.
Organism	Human
Tissue	Mammary gland
Applications	Research on mammary cancer, normal mammary development, and drug screening.
Synonyms	Hmec-1, HMEC1, CDC/EU.HMEC-1, HMEC-1 (ATCC CRL-2914), HMEC-1 (ATCC CRL-2914)

Characteristics

Age	Adult
Gender	Female
Morphology	Epithelial cells
Growth properties	Adherent

Documentation

Citation	HMEC-1 (ATCC CRL-2914) Cytion 304064
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0307
GMO Status	GMO-S1: HMEC-1 (ATCC CRL-2914) is a non-GMO cell line derived from a primary mammary epithelial cell line. It is not derived from a transgenic animal and does not contain any transgenic material.

Protein expression (vWF), ICAM-1

XXXXXX

**Dissociation
Reagent**

Freeze medium α -MEME supplemented with 10% FBS + 10% DMSO α -MEME supplemented with 10% FBS + 10% DMSO α -MEME supplemented with 10% FBS + 10% DMSO

[illegible]

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**Incubation
Atmosphere**

37°C, 5%_{CO2}, humidified

Flask Coating

Yes

**Freezing
Procedure**

After seeding, cells are grown to confluence. Cells are then washed with PBS and harvested by trypsinization. Cells are resuspended in freezing medium and frozen at -78°C.

**Shipping
Conditions**

Cells are shipped on dry ice at -78°C.

**Storage
Conditions**

Cells are stored at -150 to -196 °C in liquid nitrogen.

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Sterility

Cells are grown in the presence of antibiotics (penicillin, streptomycin, and amphotericin B) to ensure sterility. PCR analysis of the DNA confirms the absence of contamination.

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