

Resource Summary Report

Generated by [RRID](#) on Sep 7, 2026

HCEC-12

RRID:CVCL_2064

Type: Cell Line

Proper Citation

DSMZ Cat# ACC-646, RRID:CVCL_2064

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2064

Proper Citation: DSMZ Cat# ACC-646, RRID:CVCL_2064

Description: Cell line HCEC-12 is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: [PMID:10794243](#), [PMID:18196893](#), [PMID:20974632](#)

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: HCEC-12

Synonyms: Human Corneal Endothelial Cells-12

Cross References: BioSample:SAMN03473460, DSMZ:ACC-646, DSMZCellDive:ACC-646, FCS-free:208-2-425-3-4-12, Wikidata:Q54881866

ID: CVCL_2064

Vendor: DSMZ

Catalog Number: ACC-646

Record Creation Time: 20220427T220320+0000

Record Last Update: 20260905T180222+0000

Ratings and Alerts

No rating or validation information has been found for HCEC-12.

No alerts have been found for HCEC-12.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Bilir EK, et al. (2026) In Vitro Ocular Cytotoxicity of BEE Venom in ARPE-19, NTM5, HCET, and HCEC-12 Cell Lines. Cell biochemistry and biophysics, 84(2), 2907.

Duffy GL, et al. (2021) 3D reactive inkjet printing of poly-?-lysine/gellan gum hydrogels for potential corneal constructs. Materials science & engineering. C, Materials for biological applications, 131, 112476.

Jiang D, et al. (2020) Bioenergetic Crosstalk between Mesenchymal Stem Cells and various Ocular Cells through the intercellular trafficking of Mitochondria. Theranostics, 10(16), 7260.

Kennedy S, et al. (2019) Poly-?-lysine based hydrogels as synthetic substrates for the expansion of corneal endothelial cells for transplantation. Journal of materials science. Materials in medicine, 30(9), 102.