

Product sheet

HEC-1-A | 305077

HEC-1-A

Description HEC-1-A is a cell line derived from a human endometrial carcinoma. It is a highly proliferative, anchorage-dependent cell line that grows in suspension culture. HEC-1-A cells are characterized by their ability to form colonies in soft agar and their resistance to anoikis. The cell line is widely used in research on cancer biology, particularly in studies related to cell adhesion, migration, and invasion. HEC-1-A cells are also used in drug screening and toxicity testing. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin-like growth factor-1 (IGF-1). HEC-1-A cells are karyotypically normal and do not contain any known oncogenes or other genetic alterations. HEC-1-A cells are a good model for studying the biology of endometrial carcinoma and for testing potential therapeutic agents.

Organism Human

Tissue Endometrium

Disease Endometrial carcinoma

Synonyms Hec-1-A, HEC-1A, HEC1-A, HEC1A, Hec1A

HEC-1-A

Age 71 years

Gender Female

Ethnicity Caucasian

Morphology Epithelial

Growth properties Anchorage dependent

HEC-1-A

Citation HEC-1-A (ATCC CCL-237) | Cytion 305077

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0293

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Thawing and Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have reached confluence, passage them into a new flask. Use a trypsin solution to detach the cells.
4. Wash the cells with PBS. Resuspend the cells in a volume of medium that will give a concentration of 10⁶ cells/mL.
5. Seed the cells into a new flask. Incubate at 37°C with 5% CO₂.
6. Once the cells have reached confluence, passage them into a new flask. Use a trypsin solution to detach the cells.
7. Wash the cells with PBS. Resuspend the cells in a volume of medium that will give a concentration of 10⁶ cells/mL.
8. Seed the cells into a new flask. Incubate at 37°C with 5% CO₂.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Not required

Freezing Procedure

Resuspend the cells in a volume of medium that will give a concentration of 10⁶ cells/mL. Add 10% DMSO. Freeze at -80°C.

Shipping Conditions

Store at -80°C. Ship on dry ice.

Storage Conditions

Store at -150°C for up to 196 weeks.

Genotype / HLA

Sterility

Cells are tested for mycoplasma contamination. PCR testing is performed. Cells are free of mycoplasma contamination.