

Product sheet

HEC-1-B | 305095

HEC-1-B

Description HEC-1-B is a cell line derived from a human endometrial carcinoma. It is characterized by its ability to grow in suspension and its high tumorigenicity. The cell line is widely used in research related to cancer biology and drug development.

Organism Human

Tissue Endometrium

Disease Endometrial carcinoma

Synonyms Hec-1-B, HEC-1B, Hec-1b, EC1-B, HEC1B, Hec1B

HEC-1-B

Age 71 years

Gender Female

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

HEC-1-B

Citation HEC-1-B (ATCC CCL-93) | Cytion 305095

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0294

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Antigen expression HLA B, Rh

Tumorigenic Yes

Characteristics

Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

Supplements Cytion 820100a 10% FBS 1% NEAA

Dissociation Reagent Trypsin

Subculturing Cells are subcultured by trypsinization with Trypsin (Cytion 820100a) in PBS with Ca²⁺ and Mg²⁺ removed. Cells are seeded into T25 flasks, 3-5 x 10⁶ cells per flask. Cells are cultured in EMEM (MEM Eagle) supplemented with 10% FBS and 1% NEAA.

Fluid renewal 2-3 times per week

Freeze medium Cytion 820100a, Cytion 820100a, Cytion 820100a (10% FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a 15 mL centrifuge tube and centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 1 mL of EMEM (MEM Eagle) supplemented with 10% FBS and 1% NEAA.
 2. Seed the cells into a T25 flask. Incubate the cells in a humidified 5% CO₂ incubator at 37°C.
 3. After 24 hours, replace the medium with fresh EMEM (MEM Eagle) supplemented with 10% FBS and 1% NEAA.
 4. When the cells reach 70-80% confluency, passage the cells into a new T25 flask.
 5. Seed the cells into a T25 flask. Incubate the cells in a humidified 5% CO₂ incubator at 37°C.
 6. After 24 hours, replace the medium with fresh EMEM (MEM Eagle) supplemented with 10% FBS and 1% NEAA.
 7. When the cells reach 70-80% confluency, passage the cells into a new T25 flask.
 8. Seed the cells into a T25 flask. Incubate the cells in a humidified 5% CO₂ incubator at 37°C.

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Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium, 10% fetal bovine serum

Freezing Procedure Harvest cells, wash with PBS, resuspend in freezing medium, aliquot into 1 ml vials, store at -78°C

Shipping Conditions Store at -78°C, ship on dry ice

Storage Conditions Store at -150 to -196 °C, avoid repeated freeze-thaw cycles

HLA

Sterility Sterile, PCR compatible, suitable for genotyping