

Product sheet

H9 (HuT 78) | 300460

Description
 H9 (HuT 78) is a human epithelial cell line derived from a 69-year-old male patient with adenocarcinoma of the colon. The cell line is characterized by its ability to grow in suspension and its sensitivity to various growth factors. It is commonly used in research related to cancer biology and drug development.
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Organism Human

Tissue Colon

Disease Adenocarcinoma (Colon)

Metastatic site Liver

Synonyms HT H9, HT(H9), H 9, H 9, H 9

Age 53 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Cell type Epithelial

Growth properties Adherent

Citation H9 (HuT 78) (ATCC CCL-230)

Biosafety level 1

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NCBI_TaxID 9606

CellosaurusAccession CVCL_1240

Receptors expressed CD4+

Protein expression IL-2 (IL-2)

Isoenzymes AK-1, 0, ES-D, 1, G6PD, B, GLO-I, 1, Me-2, 0, PGM1, 1, PGM3, 0

Virus susceptibility HTLV-III (HTLV-III)

Culture Medium RPMI 1640 2.0 mM L-glutamine 2.0 mM/ mM NaHCO₃ (820700a)

Supplements 10% FBS

Subculturing 5

Freeze medium (10% FBS) + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in pre-warmed medium.
3. Seed the cells into a flask containing 10 ml of pre-warmed medium.
4. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂.
5. Monitor the cell growth and passage the cells when they reach 70-80% confluency.
6. Harvest the cells by trypsinization and centrifugation.
7. Resuspend the cells in a suitable medium for storage or further use.
8. Store the cells at -150°C for long-term preservation.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating No coating

Freezing Procedure Harvest cells and freeze in liquid nitrogen.

Shipping Conditions -78°C

Storage Conditions -150°C to -196°C

/ / HLA

Sterility Sterile, PCR negative