

HEP-2 | 305022

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Description

HEP-2 is a cell line derived from a 30-year-old male patient with a primary myeloid leukemia. The cells are characterized by a karyotype of 46,XY,t(8;21)(q22;q22), which is characteristic of acute myeloid leukemia (AML) with a t(8;21) translocation. The cells are highly proliferative and are used for the study of leukemia and drug response.

Organism Human

Tissue Bone marrow

Disease Acute myeloid leukemia (AML)

Synonyms HEP-2, GM06141, GM06141B, HEP-2 (ATCC)

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Age 30 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

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Citation HEP-2 (ATCC) | Cytion 305022

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0001

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HEP-2 - Hepatocellular carcinoma

HEP-2

Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 36 hours

Subculturing Seed cells into fresh medium at 15% confluency. Wash cells with PBS. (Passages 3-5)

Fluid renewal 2-3 times per week

Freeze medium Serum-free medium + 10% DMSO

Thawing and Culturing Cells

- 1. Thaw cells in a water bath at 37°C. Add cells to fresh medium.
- 2. Seed cells into fresh medium at 15% confluency. Wash cells with PBS. (Passages 3-5)
- 3. Seed cells into fresh medium at 15% confluency. Wash cells with PBS. (Passages 3-5)
- 4. Seed cells into fresh medium at 15% confluency. Wash cells with PBS. (Passages 3-5)
- 5. Seed cells into fresh medium at 15% confluency. Wash cells with PBS. (Passages 3-5)
- 6. Seed cells into fresh medium at 15% confluency. Wash cells with PBS. (Passages 3-5)
- 7. Seed cells into fresh medium at 15% confluency. Wash cells with PBS. (Passages 3-5)
- 8. Seed cells into fresh medium at 15% confluency. Wash cells with PBS. (Passages 3-5)

Incubation Atmosphere 37°C, 5% CO₂

Product sheet

HEXHEL | 305022

Flask Coating

HEXHEL is a highly adhesive, non-toxic, and non-flammable coating for laboratory flasks. It is designed to provide a uniform, durable layer that enhances cell attachment and prevents cross-contamination between cultures.

Freezing Procedure

For optimal cell recovery, cells should be seeded into HEXHEL-coated flasks. When freezing, use a controlled rate freezer to reach -78°C. Thaw cells rapidly in a 37°C water bath.

Shipping Conditions

HEXHEL-coated flasks should be stored and shipped at -78°C. They are stable for up to 12 months under these conditions.

Storage Conditions

HEXHEL-coated flasks should be stored at -150 to -196°C. They are stable for up to 12 months under these conditions.

HEXHEL / HEXHEL / HLA

Sterility

HEXHEL-coated flasks are sterile and ready for use. They are suitable for PCR and other applications. The coating is resistant to autoclaving and other sterilization methods.