

Product sheet

HCC1428 | 305782

Cell Line

Description HCC1428 is a cell line derived from a luminal B breast cancer. It is characterized by its high proliferation rate and its ability to form xenografts in immunodeficient mice. HCC1428 is a cell line derived from a luminal B breast cancer. It is characterized by its high proliferation rate and its ability to form xenografts in immunodeficient mice. HCC1428 is a cell line derived from a luminal B breast cancer. It is characterized by its high proliferation rate and its ability to form xenografts in immunodeficient mice.

Organism Human

Tissue Breast

Disease Breast Cancer

Metastatic site Lung, Liver, Bone

Synonyms HCC-1428, HCC1428

Characteristics

Age 49 years

Gender Female

Ethnicity Caucasian

Morphology Epithelial

Cell type Epithelial

Growth properties Adherent, High proliferation rate

References

Citation HCC1428 (Cytion 305782)

Biosafety level 1

NCBI_TaxID 9606

Cell HCC1428 | 305782

Thawing and Culturing Cells

1. **Thawing:** Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed complete medium.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 3 minutes. Remove the supernatant and wash the cells with PBS.
3. **Resuspension:** Resuspend the cells in complete medium. Seed the cells into a T25 flask at a density of 1.5 x 10⁵ cells per flask.
4. **Medium Change:** After 24 hours, change the medium to fresh complete medium. Remove 70% of the medium.
5. **Passaging:** Pass the cells into a new T25 flask when they reach 80% confluency.
6. **Seeding:** Seed the cells into a T25 flask at a density of 1.5 x 10⁵ cells per flask.
7. **Medium Change:** After 24 hours, change the medium to fresh complete medium. Remove 10% of the medium.
8. **Storage:** Store the cells in complete medium at -150°C for long-term storage.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

None

Shipping Conditions

Cells are shipped in a dry ice container at -78°C.

Storage Conditions

Cells are stored in complete medium at -150°C for up to 196 days.

Cell Line / Organism / HLA

Sterility

Cells are tested for mycoplasma contamination using PCR.

Cells are tested for endotoxin contamination using a Limulus amoebocyte lysate (LAL) assay.