

Product sheet

HCC1428 | 305782

General information

**Description** HCC1428 is a cell line derived from a 49-year-old female patient with luminal B breast cancer. It is a cell line that grows in the presence of estrogen and progesterone. HCC1428 is a cell line that is highly sensitive to tamoxifen. HCC1428 is a cell line that is highly sensitive to fulvestrant (CCLE), a selective estrogen receptor modulator. HCC1428 is a cell line that is highly sensitive to fulvestrant (CCLE), a selective estrogen receptor modulator.

**Organism** Human

**Tissue** Breast

**Disease** Breast cancer

**Metastatic site** Breast

**Synonyms** HCC-1428, HCC1428

Cell characteristics

**Age** 49 years

**Gender** Female

**Ethnicity** Caucasian

**Morphology** Epithelial

**Cell type** Epithelial

**Growth properties** Growth in the presence of estrogen and progesterone. Growth in the presence of estrogen and progesterone.

References

**Citation** HCC1428 (HCC1428) Cytion 305782

**Biosafety level** 1

**NCBI\_TaxID** 9606

HCC1428 | 305782

CellosaurusAccession CVCL\_1252

XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXX

**Antigen expression** XXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXX 2 [EGP2] XXXXXXXX; XXXXXXXXXXXXXXXX 19 XXXXXXXX; Her2-neu XXXXXXXX; p53 XXXXXXXX

**Oncogenes** Her2/neu-; p53-

**Mutational profile** XXXXXXXX: XXXXXXXX XXXXXXXX, ABCG1 + HGNC, SLC37A1, XXX/XXXXX=SLC37A1-ABCG1. XXXXXXXX, FHIT, XXX XXXXXXXX, Ex4del, XXXXXXXXXXXXXXXX

**Karyotype** XXXXXXXXXXXXXXXX

XXXXXXXXXX

**Culture Medium** DMEM:Ham's F12 (1:1), w: 3.1 g/L XXXXXXXX, w: 2.5 mM L-XXXXXXX, w: 15 mM HEPES, w: 0.5 mM XXXXX XXXXXXXX, w: 1.2 g/L NaHCO3 820400a)

**Supplements** XXXXX XXXXXXXX 10% FBS

**Dissociation Reagent** XXXXXXXX

**Doubling time** 88 XXXXXXXX

**Fluid renewal** 2 XXX 3 XXXXXXXX XXXXXXXX

**Freeze medium** XXXXXXXX XXXXXXXX XXXXXXXX, XXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXX (XXXXXX FBS) + 10% DMSO XXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX, XXXXXXXX

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### Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to remain at room temperature for more than 5 minutes.
2. Dilute the cells into 10 mL of pre-warmed complete medium. Centrifuge at 300 x g for 3 minutes. Resuspend the cells in 1 mL of complete medium.
3. Seed the cells into a 25 cm<sup>2</sup> flask containing 10 mL of complete medium. Incubate at 37°C with 5% CO<sub>2</sub>.
4. Once cells reach 70% confluency, passage the cells.
5. Seed cells into a 15 cm<sup>2</sup> flask containing 8 mL of complete medium.
6. Harvest cells by centrifugation at 300 x g for 3 minutes. Wash cells with PBS.
7. Resuspend cells in 10 mL of PBS. Count cells and seed into a 25 cm<sup>2</sup> flask containing 10 mL of complete medium.
8. Seed cells into a 25 cm<sup>2</sup> flask containing 10 mL of complete medium.

### Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified

### Flask Coating

None

### Shipping Conditions

Store at -78°C. Ship on dry ice.

### Storage Conditions

Store at -150°C for 196 days.

**HLA**

### Sterility

PCR negative for mycoplasma contamination.

Free of endotoxins, mycoplasmas, and other contaminants.