

EBC-1 | 305539

General information

Description	EBC-1 is a human breast cancer cell line, derived from a 69-year-old female patient with metastatic disease. The cell line is characterized by high growth rate and is suitable for various in vitro assays. EBC-1 is a human breast cancer cell line, derived from a 69-year-old female patient with metastatic disease. The cell line is characterized by high growth rate and is suitable for various in vitro assays.
Organism	Human
Tissue	Breast
Disease	Metastatic breast cancer
Metastatic site	Metastatic
Synonyms	EBC-1/ATCC, EBC1

Cell characteristics

Age	69 years
Gender	Female
Ethnicity	White
Growth properties	Adherent

Cell line identification

Citation	EBC-1 (ATCC CCL-239) Cytion 305539
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_2891

Cell line availability

Product sheet

HEK293T EBC-1 | 305539

Mutational profile HEK293T: DDR2, p.Thr681Ile (c.2042C>T), EGFR, p.Leu858Arg (c.2573T>G), TP53, p.G117V

HEK293T

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

Supplements 10% FBS 1% NEAA

Dissociation Reagent Trypsin

Subculturing Cells are grown in 25 cm² flasks in EMEM medium supplemented with 10% FBS and 1% NEAA. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks.

Freeze medium Cells are frozen in EMEM medium supplemented with 10% FBS and 10% DMSO. The medium is stored at -80°C.

Thawing and Culturing Cells

1. Thaw the cells in a 37°C water bath.
2. Add 10 ml of EMEM medium supplemented with 10% FBS and 1% NEAA to the flask.
3. Incubate the cells for 24 hours at 37°C.
4. Remove the medium and replace it with fresh EMEM medium supplemented with 10% FBS and 1% NEAA.
5. Incubate the cells for 24 hours at 37°C.
6. Remove the medium and replace it with fresh EMEM medium supplemented with 10% FBS and 1% NEAA.
7. Incubate the cells for 24 hours at 37°C.
8. Remove the medium and replace it with fresh EMEM medium supplemented with 10% FBS and 1% NEAA.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

EBC-1 | 305539

**Freezing
Procedure**

Das Produkt sollte bei -78°C gefroren werden.

**Shipping
Conditions**

Das Produkt sollte bei -78°C transportiert werden.

**Storage
Conditions**

Das Produkt sollte bei -150 bis -196°C gelagert werden.

Stability

Sterility

Das Produkt ist steril und kann für PCR-Analysen verwendet werden.
Das Produkt ist steril und kann für PCR-Analysen verwendet werden.