

Product sheet

MDA-MB-175-VII | 305825

General information

Description
MDA-MB-175-VII is a cell line derived from a 49-year-old female patient with metastatic breast cancer. It is a highly metastatic, HER2-positive, triple-negative breast cancer cell line. The cell line is characterized by its ability to form mammary xenografts in immunodeficient mice. It is a clonal cell line derived from a primary tumor. The cell line is maintained in DMEM/F12 medium supplemented with 5% fetal bovine serum (FBS) and 10 ng/ml insulin-like growth factor 1 (IGF1). The cell line is available from Cytion as a suspension of cells in DMEM/F12 medium supplemented with 5% FBS and 10 ng/ml IGF1.

Organism Human

Tissue Breast

Disease Metastatic breast cancer

Metastatic site Metastatic

Synonyms MDA MB 175 VII, MDA-MB-175VII, MDAMB175VII, MDA-MB-175, MDAMB175, MDA-175, MDA175, MD Anderson-Metastatic Breast-175-VII

Characteristics

Age 56 years

Gender Female

Ethnicity Caucasian

Morphology Epithelial

Cell type Epithelial

Growth properties Adherent

References

Citation MDA-MB-175VII (Cytion 305825)

Biosafety level 1

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NCBI_TaxID 9606

CellosaurusAccession CVCL_1400

XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXX

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

Tumorigenic X, X, XXXXXXXX XXXXXXXX XXXX 21 XXX XXXXXXXX XX 100% (5/5) XXXXXXXX XXXXXXXX XXXXXXXX XXX XX-XXXXXX 10(7) XXXX

Mutational profile XXXXXXXX: XXXXXXX XXXX, NRG1 + HGNC, TENM4, XX/XXXXX=TENM4-NRG1, DOC4-NRG1, XXXX=XXXXXX

Karyotype XXXX XXX = 84; XXXX = 82 XX 89

XXXXXXXX

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

Supplements XXXX XXXXX 10% FBS + XXXXXXXX (5 XXXXXXXXX/XX' X)

Dissociation Reagent XXXXXXX

Doubling time 112 XXXX

Fluid renewal 2 XX 3 XXXXXXX XXXXXXX

Freeze medium XXXXXXX XXXXXXX XXXXXXX, XXX XXXXXXX XXXXXXX XXXXXXX XXX (XXXX FBS) + 10% DMSO XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX, XX C

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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 reach room temperature.
2. Add 5 mL of pre-warmed complete medium to the vial. Gently mix the cells and incubate at 37°C for 24 hours.
3. Seed the cells into a T25 flask containing 25 mL of pre-warmed complete medium. Gently mix the cells and incubate at 37°C for 24 hours.
4. Seed the cells into a T75 flask containing 75 mL of pre-warmed complete medium. Gently mix the cells and incubate at 37°C for 24 hours.
5. Seed the cells into a T175 flask containing 175 mL of pre-warmed complete medium. Gently mix the cells and incubate at 37°C for 24 hours.
6. Seed the cells into a T300 flask containing 300 mL of pre-warmed complete medium. Gently mix the cells and incubate at 37°C for 24 hours.
7. Seed the cells into a T500 flask containing 500 mL of pre-warmed complete medium. Gently mix the cells and incubate at 37°C for 24 hours.
8. Seed the cells into a T1000 flask containing 1000 mL of pre-warmed complete medium. Gently mix the cells and incubate at 37°C for 24 hours.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Flasks are pre-coated with CellTreat™. No additional coating is required.

Freezing Procedure

Seed cells into a T25 flask containing 25 mL of complete medium. Incubate at 37°C until cells reach 80-90% confluency.

Shipping Conditions

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

Storage Conditions

Cells can be stored at -150°C for up to 196 days.

Genotype / Karyotype / HLA

Sterility

Cells are tested for mycoplasma contamination using PCR. No contamination was detected.

Cells are tested for endotoxin contamination. No endotoxin was detected.