

Product sheet

MDA-MB-157 | 305280

Cell Line

Description MDA-MB-157 is a cell line derived from a metastatic site of a breast cancer patient. It is characterized by its ability to form mammary-like structures in culture. MDA-MB-157 is a highly metastatic cell line that is commonly used in breast cancer research. It is derived from a primary tumor and has a high degree of genetic heterogeneity. MDA-MB-157 is a cell line that is highly sensitive to anti-HER2/neu therapy. MDA-MB-157 is a cell line that is highly sensitive to anti-HER2/neu therapy. MDA-MB-157 is a cell line that is highly sensitive to anti-HER2/neu therapy.

Organism Human

Tissue Breast

Disease Breast Cancer

Metastatic site Metastatic

Synonyms MDA-MB157, MDAMB157, MDA-157, MDA157, MB 157, MB157, MD Anderson-Metastatic Breast-157

Cell Line Characteristics

Age 44 days

Gender Female

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

Cell Line Information

Citation MDA-MB-157 (ATCC CCL-157) | Cytion 305280

Biosafety level 1

NCBI_TaxID 9606

CellSaurusAccession CVCL_0618

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Cell Line

Surface antigens HLA B, Rh -

Oncogenes WNT7B +

Tumorigenic Yes, MDA-MB-157 BALB/c

Mutational profile MSH6, p.Pro42Ser (c.124C>T), MSH6, p.Arg644Ser (c.1932G>C), TP53, p.P (p.Ala88Cysfs*52)

Media

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

Supplements 20% FBS + 5 ng/ml Insulin-like growth factor 1 (IGF1)

Dissociation Reagent Trypsin

Subculturing 1:3 to 1:10 in DMEM:Ham's F12 (1:1) + 20% FBS + 5 ng/ml IGF1

Fluid renewal 2-3 times per week

Freeze medium DMEM:Ham's F12 (1:1) + 10% DMSO + 20% FBS

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Thawing and Culturing Cells

1. Thaw the cells in a water bath at 37°C. Do not shake the vial. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Remove the supernatant and wash the cells with PBS.
3. Resuspend the cells in a pre-warmed medium and seed them into a pre-warmed flask.
4. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere.
5. Monitor the cell growth and passage the cells when they reach 70-80% confluency.
6. Seed the cells into a new flask at a density of 15 x 10⁴ cells per flask.
7. Pass the cells every 2-3 days to maintain them in exponential growth.
8. Store the cells in liquid nitrogen for long-term storage.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Yes

Freezing Procedure

Resuspend cells in freezing medium and freeze at -80°C.

Shipping Conditions

Store at -80°C during shipping.

Storage Conditions

Store at -150°C for 196 weeks.

MDA-MB-157 / HLA

Sterility

MDA-MB-157 cells are tested for sterility using PCR. The results are available upon request.