

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 vitro and its high tumorigenicity in nude mice. The cell line is highly sensitive to anti-HER2/neu therapy. 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 vitro and its high tumorigenicity in nude mice. The cell line 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 Identification

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.Pr (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 mg/ml Insulin, 5 mg/ml Transferrin, 5 mg/ml Selenium

Dissociation Reagent Trypsin

Subculturing 1:3 to 1:5 in 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)

Fluid renewal 2-3 times per week

Freeze 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) + 10% DMSO + 10% FBS

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Thawing and Culturing Cells

1. Thaw the cells in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in pre-warmed medium.
3. Seed the cells into a 15 mL tube or 8 mL tube.
4. Incubate the cells at 37°C in 5% CO₂.
5. Harvest the cells when they reach 70% confluency.
6. Seed the cells into a 10 mL tube.
7. Harvest the cells when they reach 70% confluency.
8. Harvest the cells when they reach 70% confluency.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium

Freezing Procedure Harvest cells at 70% confluency, resuspend in freezing medium, freeze at -80°C.

Shipping Conditions Store at -80°C.

Storage Conditions Store at -150°C for 196 months.

MDA-MB-157 / MDA-MB-157 / HLA

Sterility The cells are free of mycoplasmas and PCR detectable viruses.