

Product sheet

MDA-MB-231 | 300275

General Information

Description	MDA-MB-231 is a cell line derived from a primary mammary carcinoma. It is characterized by its ability to form mammary tumors in nude mice. The cell line is highly metastatic and is used as a model for studying breast cancer biology and drug response.
Organism	Human
Tissue	Breast
Disease	Breast Cancer
Metastatic site	Brain, Lung, Liver, Bone
Synonyms	MDA_MB_231, MDA-MB 231, MDA.MB.231, MDA MB.231, MDA MB 231, MDA MB231, MDA Mb231, MDA-MB231, MDA-MB231, MDAMB-231, MDAMB231, MDA-231, MDA-231P, MDA-231P, MDA231, MDA231-BRE, MB231, MD Anderson-Metastatic Breastatic-231

Cell Culture

Age	51 days
Gender	Female
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Identification

Citation	MDA-MB-231 (ATCC CRL-1573) 300275
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0062

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Culture Medium DMEM: DMEM:Ham's F12 (1:1) 3.1 µg/ml Insulin 2.5 µg/ml Hydrocortisone 15 µg/ml Transferrin (15 µg/ml Selenium)

Supplements 5% FBS

Dissociation Reagent Trypsin

Subculturing Seed cells into fresh medium in 150 cm² flasks using PBS wash medium. Seed cells into fresh medium.

Split ratio 1:2 to 1:4

Fluid renewal 2-3 times per week

Freeze medium DMEM: DMEM:Ham's F12 (1:1) 3.1 µg/ml Insulin 2.5 µg/ml Hydrocortisone 15 µg/ml Transferrin (15 µg/ml Selenium) + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Wash cells in PBS.
3. Seed cells into fresh medium in 150 cm² flasks.
4. Seed cells into fresh medium in 150 cm² flasks.
5. Seed cells into fresh medium in 150 cm² flasks.
6. Seed cells into fresh medium in 150 cm² flasks.
7. Seed cells into fresh medium in 150 cm² flasks.
8. Seed cells into fresh medium in 150 cm² flasks.

Incubation Atmosphere 37°C, 5% CO₂

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Flask Coating

Flask coating information for MDA-MB-231 | 300275

Freezing Procedure

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Shipping Conditions

Shipping conditions information for MDA-MB-231 | 300275

Storage Conditions

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Sterility

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MDA-MB-231 STRPEZ6: LS174T