

Product sheet

MDA-MB-435S | 300277

Cell Line

Description MDA-MB-435S is a cell line derived from a primary mammary carcinoma (MDA-MB-435) and is characterized by its ability to form mammary tumors in nude mice. It is a highly metastatic cell line that is commonly used in research to study breast cancer progression and metastasis. MDA-MB-435S cells are epithelial in nature and exhibit a high degree of invasiveness, making them a valuable model for studying the mechanisms of tumor growth and spread.

Organism Human

Tissue Mammary gland

Disease Breast cancer

Metastatic site Lung, Liver, Brain, Bone

Applications Metastasis and invasion research; melanoma/breast cancer controversy model; drug resistance mechanisms; tumor biology; preclinical pharmacological screening

Synonyms MDA-MB-435s, MDA-MB-435 S, MDA-MB-435-S, MDAMB435S, BrCL15

Cell Culture

Age 33 passages

Gender Female

Ethnicity Caucasian

Morphology Epithelial cells, adherent

Cell type Epithelial cells

Growth properties High growth rate

Ordering Information

Citation MDA-MB-435S (ATCC CCL-15) Cytion 300277

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Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0622
GMO Status	No genetic modification; problematic line — parental MDA-MB-435 identified as M14 melanoma derivative; use with appropriate caution and cite genetic identity

XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXX

XXXXXXXXXX

Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L XXXXXXXX, w: 2.5 mM L-XXXXXXXX, w: 15 mM HEPES, w: 0.5 mM XXXX XXXXXXXX, w: 1.2 g/L NaHCO3 820400a)
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Supplements	XXXX XXXXX 5% FBS
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Dissociation Reagent	XXXXXXXX
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Subculturing XXXX XX XXXXXXX XXXX XXXXXXX XXXXXXX XXXXXXX XXXX XXXX X-PBS XXX XXXX XXXXXXXXXX XXXX XXXXXXXT25, XXXXXX X-3-5 X' X-PBS, XXXXXX XXXX 3 XXXX. XXXX XX XXXXXXX XXXXXXX, XXXX XX XXXXXXX XXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXX.

Split ratio	1 to 5
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Seeding density	1 to 3 × 10 ⁴ cells/cm ²
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Fluid renewal	2 X 3 XXXXXXX XXXXXXX
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Freeze medium	XXXXXXXX XXXXXXX XXXXXXX, XXX XXXXXXX XXXXXXX XXXXXXX XXX (XXXX FBS) + 10% DMSO XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX, XXX C
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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. Seed the cells into a flask containing 10 mL of medium. Incubate at 37°C with 5% CO₂.
3. Once cells reach confluence, passage them into a new flask.
4. Use trypsin to detach the cells. Add 10% FBS to neutralize the trypsin.
5. Centrifuge the cells at 300 x g for 5 minutes. Wash the cells with PBS.
6. Resuspend the cells in 10 mL of medium. Seed into a new flask.
7. Repeat the process for subsequent passages.
8. Maintain cells in a medium containing 10% FBS.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells into a tube, add 10% FBS, and freeze at -80°C.

Shipping Conditions Ship at -80°C.

Storage Conditions Store at -150°C for up to 196 days.

MDA-MB-435S / MDA-MB-435S / HLA

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