

Product sheet

MDA-MB-435S | 300277

Cell Line

**Description** MDA-MB-435S is a cell line derived from a 33-year-old female patient with a primary tumor in the breast. The cell line is characterized by its high tumorigenicity and ability to form mammary tumors in nude mice. It is a highly metastatic cell line, capable of spreading to various sites in the body, including the lungs, liver, and bone. The cell line is derived from a primary tumor (MDA-MB-435) and is characterized by its high tumorigenicity and ability to form mammary tumors in nude mice. MDA-MB-435S is a cell line derived from a 33-year-old female patient with a primary tumor in the breast. The cell line is characterized by its high tumorigenicity and ability to form mammary tumors in nude mice. It is a highly metastatic cell line, capable of spreading to various sites in the body, including the lungs, liver, and bone. The cell line is derived from a primary tumor (MDA-MB-435) and is characterized by its high tumorigenicity and ability to form mammary tumors in nude mice.

**Organism** Human

**Tissue** Breast

**Disease** Breast cancer

**Metastatic site** Lung, Liver, Bone

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

Characteristics

**Age** 33 years

**Gender** Female

**Ethnicity** Caucasian

**Morphology** Epithelial, Adherent

**Growth properties** High tumorigenicity, highly metastatic

References

**Citation** MDA-MB-435S (ATCC CCL-159) Cytion 300277

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_0622

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Cell Line: MDA-MB-435S

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**Culture Medium** DMEM:Ham's F12 (1:1), w: 3.1 g/L  $\beta$ -mercaptoethanol, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM  $\text{CaCl}_2 \cdot \text{H}_2\text{O}$ , w: 1.2 g/L  $\text{NaHCO}_3$  820400a)

**Supplements** 5% FBS

**Dissociation Reagent** Trypsin

**Subculturing** Seed cells into 25 cm<sup>2</sup> flasks with 10-15 mL of medium. Split ratio 1:3-5. Use 10-15 mL of medium per flask.

**Fluid renewal** 2-3 times per week

**Freeze medium** DMEM:Ham's F12 (1:1), w: 3.1 g/L  $\beta$ -mercaptoethanol, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM  $\text{CaCl}_2 \cdot \text{H}_2\text{O}$ , w: 1.2 g/L  $\text{NaHCO}_3$  820400a, (5% FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells quickly in a 37°C water bath. Add 10 mL of pre-warmed medium to the flask.
  2. Centrifuge cells at 300 x g for 3 minutes. Remove supernatant and wash cells with PBS.
  3. Resuspend cells in 10 mL of medium and seed into a 25 cm<sup>2</sup> flask.
  4. Incubate cells at 37°C in 5% CO<sub>2</sub> until cells reach 70% confluency.
  5. Split cells into 15 cm<sup>2</sup> and 8 cm<sup>2</sup> flasks.
  6. Seed cells into 300 x g flasks at 300 x g for 3 minutes.
  7. Seed cells into 10 cm<sup>2</sup> flasks at 10 cm<sup>2</sup> for 10 days.
  8. Seed cells into 10 cm<sup>2</sup> flasks at 10 cm<sup>2</sup> for 10 days.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

