

Product sheet

MDA-MB-415 | 305129

General Information

<b>Description</b>	MDA-MB-415 is a cell line derived from a 41-year-old female patient with metastatic breast cancer. It is characterized by high tumorigenicity and is used for studying breast cancer biology and drug response.
<b>Organism</b>	Human
<b>Tissue</b>	Breast, Metastatic
<b>Disease</b>	Breast Cancer
<b>Metastatic site</b>	Metastatic
<b>Synonyms</b>	MDA-MB415, MDAMB415, MDA-415, MDA415, MD Anderson-Metastatic Breast-415

Cell Line Characteristics

<b>Age</b>	38 years
<b>Gender</b>	Female
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial
<b>Growth properties</b>	Adherent

Identification and Safety

<b>Citation</b>	MDA-MB-415 (ATCC CCL-122)   Cytion 305129
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_0621

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Cell Line

Protein expression	HER2 (HER2/neu) (Amelex)
Antigen expression	HER2
Tumorigenic	Yes

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 Selenium Yttrium, w: 1.2 g/L NaHCO <sub>3</sub> 820400a)
Supplements	Insulin Transferrin 10% FBS
Dissociation Reagent	Trypsin
Subculturing	Cells are grown in 25 cm <sup>2</sup> flasks in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and seeded into new flasks. Cells are typically passaged every 3-5 days.
Fluid renewal	2-3 times per week

Freeze medium	DMEM:Ham's F12 (1:1) supplemented with 10% FBS + 10% DMSO
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**Thawing and Culturing Cells**

1. Thaw the cells in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed medium. Incubate at 37°C in 5% CO<sub>2</sub>.
3. Monitor cell growth and confluency. Pass cells when they reach 70-80% confluency.
4. Use a pipette to transfer cells into a new flask. Add fresh medium.
5. Incubate cells at 37°C in 5% CO<sub>2</sub>.
6. Monitor cell growth and confluency. Pass cells when they reach 70-80% confluency.
7. Use a pipette to transfer cells into a new flask. Add fresh medium.
8. Incubate cells at 37°C in 5% CO<sub>2</sub>.

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

**Flask Coating** Cell culture medium

**Freezing Procedure** Freeze cells in a freezing medium at -80°C.

**Shipping Conditions** Ship cells at -80°C.

**Storage Conditions** Store cells at -150°C for up to 196 months.

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**Sterility** Sterility testing: PCR