

Product sheet

MX-1 | 300296

General Information

Description	MX-1 is a cell line derived from a patient with breast cancer. It is a highly tumorigenic cell line that grows in suspension culture. MX-1 cells are characterized by their ability to form mammary tumors in nude mice.
Organism	Human
Tissue	Breast
Disease	Breast Cancer, Invasive Ductal Carcinoma (IDC)
Synonyms	Mx1, Mxl

Cell Characteristics

Age	29 years
Gender	Female
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Highly tumorigenic

Identification

Citation	Mx-1 (ATCC CCL-133) Cytion 300296
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_4774

Receptor Expression

Receptors expressed	HER2/neu (amplified) (-)
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Thawing and Culturing Cells

1. **Thawing:** Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 3 minutes at 4°C. Remove the supernatant and resuspend the cells in fresh medium.
3. **Seeding:** Seed the cells into a T25 flask containing 37 mL of pre-warmed medium.
4. **Medium Change:** After 24 hours, change the medium to fresh pre-warmed medium.
5. **Flask Coating:** Coat the flask with 15 µg/mL of the coating agent for 8 hours at 37°C.
6. **Seeding:** Seed the cells into a 300 x g flask containing 3 mL of pre-warmed medium.
7. **Medium Change:** After 10 hours, change the medium to fresh pre-warmed medium.
8. **Seeding:** Seed the cells into a 10 µg/mL flask containing 10 mL of pre-warmed medium.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating 15 µg/mL

Freezing Procedure Seed cells into a vial containing 1 mL of freezing medium. Freeze the vial at -80°C.

Shipping Conditions Store at -80°C.

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

HLA

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

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XXXXXX HLA

A*: 11:01:01

B*: '35:01:01

C*: 04:01:01

DRB1*: 01:03:01

DQA1*: 01:01:01

DQB1*: 05:01:01

DPB1*: 04:01:01

E: 01:01:01