

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. It is characterized by its ability to form large, dense colonies in soft agar.
Organism	Human
Tissue	Breast
Disease	Breast Cancer, Invasive Ductal Carcinoma (IDC)
Synonyms	Mx1, Mxl

Cell Line Characteristics

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

Identification and Safety

Citation	Mx-1 (ATCC CCL-222) Cytion 300296
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_4774

Receptor and Marker Expression

Receptors expressed	HER2/neu (negative)
----------------------------	---------------------

MX-1 | 300296

Thawing and Culturing Cells

1. Thaw the cells rapidly 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 with 5% CO₂ until the cells reach confluence.
3. Harvest the cells by trypsinization. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ until the cells reach confluence.
4. Harvest the cells by trypsinization. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ until the cells reach confluence.
5. Harvest the cells by trypsinization. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ until the cells reach confluence.
6. Harvest the cells by trypsinization. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ until the cells reach confluence.
7. Harvest the cells by trypsinization. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ until the cells reach confluence.
8. Harvest the cells by trypsinization. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ until the cells reach confluence.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating Cell culture medium, 10 minutes

Freezing Procedure Harvest cells by trypsinization. Resuspend cells in freezing medium. Freeze cells in a freezing container at -80°C.

Shipping Conditions Store cells at -80°C. Ship cells in a dry ice container.

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

Genotype / HLA

Sterility Cells are free of mycoplasmas and other contaminants. PCR confirmed.

████MX-1 | 300296

██████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