

Product sheet

MB49 | 305240

Cell Line

Description	MB49 is a murine mammary epithelial cell line derived from a C57BL/6 mouse. It is a highly invasive cell line that forms mammary tumors in vivo. MB49-I, a subclone of MB49, is highly invasive and forms mammary tumors in vivo. MB49 is a highly invasive cell line that forms mammary tumors in vivo. MB49-I, a subclone of MB49, is highly invasive and forms mammary tumors in vivo.
Organism	Murine
Tissue	Mammary gland
Disease	Mammary carcinoma
Synonyms	MB-49

Characteristics

Breed/Subspecies	C57BL/ICRF-a(t)
Age	Adult
Gender	Male
Morphology	Epithelial
Growth properties	Adherent

Documentation

Citation	MB49 (Cytion 305240)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_7076

Additional Information

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Karyotype 46,XY

Culture Medium DMEM, w: 4.5 g/L Glucose, w: 4 mM L-Glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM Sodium Pyruvate (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are grown in DMEM supplemented with 10% FBS. For passaging, cells are trypsinized and resuspended in DMEM + 10% FBS. Cells are seeded into T25 flasks at a density of 1-3 x 10⁵ cells per flask.

Freeze medium DMEM supplemented with 10% FBS, 10% DMSO, and 10% FBS (Cytion 820300a) + 10% DMSO. Cells are seeded into T25 flasks at a density of 1-3 x 10⁵ cells per flask.

Thawing and Culturing Cells

1. Cells are thawed in a 37°C water bath and resuspended in DMEM + 10% FBS.
2. Cells are seeded into T25 flasks at a density of 1-3 x 10⁵ cells per flask.
3. Cells are grown in DMEM + 10% FBS for 24-48 hours.
4. Cells are trypsinized and resuspended in DMEM + 10% FBS.
5. Cells are seeded into T25 flasks at a density of 1-3 x 10⁵ cells per flask.
6. Cells are grown in DMEM + 10% FBS for 24-48 hours.
7. Cells are trypsinized and resuspended in DMEM + 10% FBS.
8. Cells are seeded into T25 flasks at a density of 1-3 x 10⁵ cells per flask.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

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Freezing
Procedure

Freeze the cells in a cryovial in a controlled freezing container at -78°C .

Shipping
Conditions

Store the cells at -78°C during shipping.

Storage
Conditions

Store the cells at -150 to -196°C in a cryovial.

MB49 cells are not certified for clinical use.

Sterility

The cells are certified for sterility by PCR and by microscopy.

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