

Product sheet

MB49 | 305240

Description
 MB49 is a mouse mammary epithelial cell line derived from a C57BL/6 mouse. It is a highly proliferative, immortalized cell line that expresses mammary-specific markers. MB49-I is a subclone of MB49. MB49 is a highly proliferative, immortalized cell line that expresses mammary-specific markers. MB49-I is a subclone of MB49.

Organism
 Mouse

Tissue
 Mammary gland

Disease
 Mammary carcinoma

Synonyms
 MB-49

Breed/Subspecies
 C57BL/ICRF-a(t)

Age
 1-2 weeks

Gender
 Male

Morphology
 Epithelial

Growth properties
 Adherent

Citation
 MB49 (ATCC CRL-2178) | 305240

Biosafety level
 1

NCBI_TaxID
 10090

CellosaurusAccession
 CVCL_7076

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Karyotype 46,XY

Culture Medium DMEM 4.5 g/l, Glucose 4.5 g/l, NaHCO₃ 1.0 g/l, FBS 10%

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing 1:2 to 1:10 in DMEM + 10% FBS

Freeze medium DMEM + 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath.
2. Dilute cells into DMEM + 10% FBS.
3. Seed cells into a T25 flask.
4. Incubate cells at 37°C in 5% CO₂.
5. Monitor cell growth and confluency.
6. Pass cells when they reach 70-80% confluency.
7. Use cells for experiments or storage.
8. Store cells in liquid nitrogen.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

