

Product sheet

JIMT-1 | 305433

General Information

Description JIMT-1 is a cell line derived from a patient with HER2-positive breast cancer. It is characterized by high levels of HER2 expression and is used for studying the effects of anti-HER2 therapies. JIMT-1 is a cell line derived from a patient with HER2-positive breast cancer. It is characterized by high levels of HER2 expression and is used for studying the effects of anti-HER2 therapies. JIMT-1 is a cell line derived from a patient with HER2-positive breast cancer. It is characterized by high levels of HER2 expression and is used for studying the effects of anti-HER2 therapies.

Organism Human
Tissue Breast

Disease Breast cancer
Metastatic site Brain

Synonyms JIMT1, JIMT

Characteristics

Age 62 years
Gender Female
Ethnicity Chinese
Morphology Epithelial
Growth properties Adherent

References

Citation JIMT-1 (Cell Line) | Cytion 305433
Biosafety level 1
NCBI_TaxID 9606
CellosaurusAccession CVCL_2077

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Cell Line

Oncogenes HER-2 (HER-2, ER-, PR-, AR-

Mutational profile PIK3CA, p.Cys420Arg (c.1258T>C), TP53, p.Arg248Trp (c.742C>T),

Cell Line

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

Supplements 10% FBS

Dissociation Reagent

Subculturing T25, 3-5 3-5

Seeding density 1 x 10⁴

Freeze medium (FBS) + 10% DMSO

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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. After thawing, centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 15 ml of fresh medium. Seed the cells into 8 wells of a 96-well plate.
2. Incubate the cells at 37°C in 5% CO₂ for 24 hours. After 24 hours, check the cell density. If the cell density is less than 70% confluence, add fresh medium.
3. After 48 hours, check the cell density. If the cell density is less than 70% confluence, add fresh medium.
4. After 72 hours, check the cell density. If the cell density is less than 70% confluence, add fresh medium.
5. After 96 hours, check the cell density. If the cell density is less than 70% confluence, add fresh medium.
6. After 120 hours, check the cell density. If the cell density is less than 70% confluence, add fresh medium.
7. After 144 hours, check the cell density. If the cell density is less than 70% confluence, add fresh medium.
8. After 168 hours, check the cell density. If the cell density is less than 70% confluence, add fresh medium.

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

Flask Coating None

Freezing Procedure Harvest cells at 78°C

Shipping Conditions -78°C

Storage Conditions -150°C for 196 days

HLA

Sterility

PCR negative

Endotoxin free