

BT-549 | 300132

BT-549

Description: BT-549 is a cell line derived from a 72-year-old patient with HER2-positive breast cancer. It is a cell line that grows in suspension and is characterized by its high proliferation rate and its ability to form colonies in soft agar. The cell line is maintained in DMEM supplemented with 10% FBS and 100 U/ml penicillin, 100 U/ml streptomycin, and 100 U/ml nystatin. The cell line is characterized by its high proliferation rate and its ability to form colonies in soft agar. The cell line is maintained in DMEM supplemented with 10% FBS and 100 U/ml penicillin, 100 U/ml streptomycin, and 100 U/ml nystatin.

Organism: Human

Tissue: Breast

Disease: Breast cancer

Metastatic site: Breast

Synonyms: BT 549, BT.549, BT.549, BT549

BT-549

Age: 72 years

Gender: Female

Ethnicity: Caucasian

Morphology: Epithelial

Growth properties: High proliferation rate, forms colonies in soft agar

BT-549

Citation: BT-549 (ATCC CRL-2539) | 300132

Biosafety level: 1

NCBI_TaxID: 9606

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CellosaurusAccession CVCL_1092

XXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX

Isoenzymes G6PD 1 PGM1 2 PGM3 1 ES-D 1 Me-2 1 AK-1 1 GLO-1 1-2 0.0048

Mutational profile TP53

Karyotype = 74 = 53 140

XXXXXXXXXX

Culture Medium DMEM 4.5 / 4 3.7 / NaHCO3 1.0 (82

Supplements 10 FBS

Dissociation Reagent

Subculturing PBS

Seeding density 1 x 10⁴ 4

Fluid renewal 2 3

Post-Thaw Recovery 4 24

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. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in pre-warmed medium.
3. Seed the cells into a pre-warmed flask containing 37 mL of pre-warmed medium.
4. Incubate the cells at 37°C in a humidified atmosphere with 70% relative humidity.
5. After 15 days, the cells should reach a density of approximately 8 x 10^6 cells per flask.
6. Harvest the cells by centrifugation at 300 x g for 3 minutes.
7. Wash the cells with PBS containing penicillin and streptomycin for 10 minutes.
8. Resuspend the cells in a suitable medium for downstream applications.

Incubation Atmosphere

37°C, 5% CO₂, 70% relative humidity

Flask Coating

Flasks should be coated with a suitable coating solution before use.

Freezing Procedure

Cells should be frozen in a controlled rate freezer at -80°C.

Shipping Conditions

Cells should be shipped at -78°C.

Storage Conditions

Cells should be stored at -150°C to -196°C.

BT-549 / BT-549 / HLA

Sterility

Cells are provided in a sterile medium (PCR) and are free of mycoplasma contamination.

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XXXXXXXX HLA

A*: '01:01:01, '02:01:01

B*: '15:17:01, '55:01:01

C*: '03:03:01, '07:01:02

DRB1*: '11:01:01, '13:02:01

DQA1*: '01:02:01, '05:09

DQB1*: '03:01:01, '06:04:01

DPB1*: '02:01:02, '04:01:01

E: '01:01:01