

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 the presence of insulin, transferrin, and selenium (ITS) and is characterized by its high tumorigenicity and ability to form xenografts in immunodeficient mice.

Organism: Human

Tissue: Breast, Epithelial

Disease: Breast Cancer

Metastatic site: Lymph node

Synonyms: BT 549, BT.549, BT549

Characteristics

Age: 72 years

Gender: Female

Ethnicity: Caucasian

Morphology: Epithelial

Growth properties: Adherent, High tumorigenicity

References

Citation: BT-549 (ATCC CCL-221) Cytion 300132

Biosafety level: 1

NCBI\_TaxID: 9606



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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. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed medium. Incubate at 37°C in 5% CO<sub>2</sub> atmosphere.
3. Monitor cell growth and confluency. Passage cells when they reach 70-80% confluency.
4. Use cells at passage 3-5 for optimal results.
5. Seed cells into a pre-warmed medium. Incubate at 37°C in 5% CO<sub>2</sub> atmosphere.
6. Monitor cell growth and confluency. Passage cells when they reach 70-80% confluency.
7. Use cells at passage 3-5 for optimal results.
8. 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.

### Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified

### Flask Coating

Flasks should be coated with the appropriate coating solution.

### Freezing Procedure

Freeze cells in a freezing medium and store at -80°C.

### Shipping Conditions

Ship cells at -80°C.

### Storage Conditions

Store cells at -150°C for up to 196 days.

HLA

### Sterility

Cells are supplied in a sterile, cryoprotective medium.

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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