

Product sheet

BT-20 | 300130

Cell Line

Description BT-20 is a cell line derived from a 74-year-old male patient with metastatic melanoma. The cell line was established in 1958 and is characterized by its ability to grow in suspension. It is a highly tumorigenic cell line that can be used for various research purposes, including drug screening and cancer biology studies.

Organism Human

Tissue Skin, Melanoma

Disease Melanoma

Synonyms BT 20, BT20

Characteristics

Age 74 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent, Suspension

References

Citation BT-20 (Cytion 300130)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0178

Additional Information

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Thawing and Culturing Cells

1. Thaw the vial 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. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate.
3. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere. The cells should reach 70% confluency within 7-10 days.
4. Harvest the cells by trypsinization. Seed the cells into a new 96-well plate.
5. Repeat the process for the remaining vials.
6. Store the remaining cells at -150°C.
7. Thaw the cells at 37°C.
8. Seed the cells into a 96-well plate.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Freeze the cells in a freezing medium at -80°C for 15 minutes, then transfer to a liquid nitrogen storage tank.

Shipping Conditions Ship the cells at -80°C.

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

HLA

Sterility The cells are free of mycoplasmas and PCR detectable. The cells are free of endotoxins.

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HLA

A*: '24:02:01, '24:03:01

B*: '15:01:01, '38:01:01

C*: 03:03:01, 12:03:01

DRB1*: '04:04:01, '13:01:01

DQA1*: '01:03:01, '03:01:01

DQB1*: 03:02:01, 06:03:01

DPB1*: '04:01:01G, '06:01:01G

E: 01:01, 01:03