

BT-20 | 300130

General Information

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|--------------------|---|
| Description | BT-20 is a cell line derived from a 74-year-old male patient with a primary tumor of the prostate gland in 1958. The cell line was established by primary culture of the tumor tissue and is characterized by its high growth rate and ability to form xenografts in immunodeficient mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml hydrocortisone. The cell line is characterized by its high growth rate and ability to form xenografts in immunodeficient mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml hydrocortisone. |
| Organism | Human |
| Tissue | Prostate gland |
| Disease | Prostate adenocarcinoma |
| Synonyms | BT 20, BT 20 |

Characteristics

| | |
|--------------------------|--|
| Age | 74 years |
| Gender | Male |
| Ethnicity | White |
| Morphology | Epithelial cells |
| Growth properties | High growth rate, forms xenografts in immunodeficient mice |

Identification and Accession

| | |
|-----------------------------|--------------------------------|
| Citation | BT-20 (ATCC CRL-1595) 300130 |
| Biosafety level | 1 |
| NCBI_TaxID | 9606 |
| CellosaurusAccession | CVCL_0178 |

Additional Information

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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 10 ml of pre-warmed medium.
4. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂.
5. Monitor the cell growth and confluency. Harvest the cells when they reach 70-80% confluency.
6. Wash the cells with PBS. Detach the cells using trypsin-EDTA.
7. Seed the cells into a new flask with fresh medium.
8. Repeat the process for subsequent passages.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating Coated with poly-L-lysine

Freezing Procedure Harvest cells at 70-80% confluency, resuspend in freezing medium, and store at -150 to -196°C.

Shipping Conditions Store at -150 to -196°C during shipping.

Storage Conditions Store at -150 to -196°C.

HLA

Sterility The cells are provided in a sterile, cryoprotected medium.

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XXXXXXXX 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*: '04:01:01:01XXXXXXXX06:01:01:01X

E: '01:01, '01:03