

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 form xenografts in immunodeficient mice. The cell line is characterized by its ability to grow in suspension and its high tumorigenicity. It is a highly tumorigenic cell line that can form xenografts in immunodeficient mice. The cell line is characterized by its ability to grow in suspension and its high tumorigenicity. It is a highly tumorigenic cell line that can form xenografts in immunodeficient mice.

Organism Human

Tissue Skin, Melanoma

Disease Melanoma

Synonyms BT 20, BT20

Characteristics

Age 74 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Suspension, Adherent

References

Citation BT-20 (Cytion 300130)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0178

Additional Information

Product sheet

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Antigen expression	HLA A1, Bw16 (+/-)
Isoenzymes	PGM3, 1, PGM1, 1, ES-D, 1, AK-1, 1-2, G6PD, B, GLO-1, 1-2, 0.0115
Oncogenes	Wnt4 +, wnt7h +
Tumorigenic	II
Reverse transcriptase	
Mutational profile	TP53
Karyotype	= 50, (P87)
Characteristics	
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L, w: 2.5 mM L-, w: 15 mM HEPES, w: 0.5 mM, w: 1.2 g/L NaHCO3 820400a)
Supplements	10% FBS
Dissociation Reagent	
Subculturing	T25, 3-5' PBS, 3, 6
Seeding density	1×10^4 6
Fluid renewal	2 3
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. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed medium. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂.
3. Monitor the cells for attachment and growth. Change the medium after 24 hours.
4. Once the cells are established, passage them into a new flask at 70% confluency.
5. Use the cells for experiments within 15 days of thawing. Do not use cells after 8 passages.
6. Seed the cells into a 300 x g flask at 3 x 10⁶ cells per flask. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂.
7. Harvest the cells after 10 days of culture. Use the cells for experiments within 10 days of thawing.
8. Store the cells in liquid nitrogen for long-term storage. Thaw the cells rapidly in a water bath at 37°C.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium, 10 minutes

Freezing Procedure Harvest cells, resuspend in freezing medium, freeze at -80°C

Shipping Conditions Store at -80°C, use dry ice

Storage Conditions Store at -150°C, 196 K

Genotype / HLA

Sterility Sterilize medium and cells, use PCR screening

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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