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Description

BT-20 is a cell line derived from a 74-year-old male patient with a history of melanoma. The cell line was established in 1958 and is characterized by its ability to grow in suspension culture. It is a highly tumorigenic cell line that has been extensively used in research on melanoma biology and drug development.

Organism *Homo sapiens*

Tissue Skin

Disease Melanoma

Synonyms BT 20, BT 20

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Age 74 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Suspension culture

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Citation BT-20 (ATCC CCL-20) | 300130

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0178

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Antigen expression	HLA A1/Bw16 (+/-)
Isoenzymes	PGM3, 1, PGM1, 1, PGM1, 1, ES-D, 1, AK-1, 1-2, G6PD, B, GLO-1, 1-2, α -glucuronidase 0.0115
Oncogenes	Wnt4 + wnt4 + wnt7h +
Tumorigenic	Yes
Reverse transcriptase	Yes
Mutational profile	TP53
Karyotype	46, XY, karyotype = 50 (P87)
Characteristics	
Culture Medium	DMEM: DMEM:Ham's F12 (1:1) 3.1 / 2.5 15 (15)
Supplements	10% FBS
Dissociation Reagent	Yes
Subculturing	Yes
Seeding density	1×10^4 6
Fluid renewal	2-3
Freeze medium	DMEM (10% FBS) + 10% DMSO

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Thawing and Culturing Cells

1. [Redacted]
2. [Redacted]
3. [Redacted]
4. [Redacted]
5. [Redacted]
6. [Redacted]
7. [Redacted]
8. [Redacted]

Incubation Atmosphere 37 [Redacted]

Flask Coating [Redacted]

Freezing Procedure [Redacted]

Shipping Conditions [Redacted]

Storage Conditions [Redacted]

[Redacted] / [Redacted] / HLA

Sterility [Redacted]

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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