[illegible] BT-20

300130

[illegible] BT-20 [illegible] 2501 [illegible] 74 [illegible]

[illegible] BT-20 [illegible] BT-20 [illegible] TP53 [illegible] PIK3CA [illegible]

[illegible] BT-20 [illegible] BT-20 [illegible] BT-20 [illegible]

GENERAL INFORMATION

Description

[illegible] BT-20 [illegible] 2501 [illegible] 74 [illegible]

[illegible] BT-20 [illegible] BT-20 [illegible] TP53 [illegible] PIK3CA [illegible]

[illegible] BT-20 [illegible] BT-20 [illegible] BT-20 [illegible]

Tissue	[illegible], [illegible]
Disease	[illegible]

Synonyms

- BT 20
- BT20

CLASSIFICATION

Organism	Human
Sex	Female

Cytion GmbH
Nikola-Tesla-Str. 3
69124 Heidelberg
Tel: +49 (0)6221 405780
info@cytion.com
cytion.com

Registered office Heidelberg
VAT ID: DE283292917
Local court Mannheim - HRB 714394
CEO / Geschäftsführer: Jonathan Steubing

Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Morphology	ลักษณะคล้าย □ยื่อบุผิว
Tumourigenic	ใช่ ในหนูที่ไม่มีขน ชนิดของมะ □ร็งต่อม □□□□□หลืองชนิด adenocarcinoma ระดับ II

Karyotype

หมาย □ลบโมดัล = 50 มี □ครื่องหมายจำนวนมากที่□มีลักษณะ □ฉพาะคือมีขนาดใหญ่บริ □วณใกล้ปลายแขน □□□□ (subtelocentric) (P87) □ป็นไฮ □ปอร์ไดพลอยด์ □□□มีความผิดปกติ □ช่น โครโมโซมแตก □ป็น □□□น □บรค มีรอยหดตัวรอง การสลับตำแหน่งของยีน □ □ครื่องหมายที่ □ป็น submetacentric และ telocentric

IDENTIFIERS

Citation

BT-20 (หมาย □ลขแคตตาล็อก Cytion 300130)

NCBI TaxID	9606
Cellosaurus	CVCL_0178

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

HLA A1, Bw16 (+/-)

Isoenzymes

PGM3, 1, PGM1, 1, ES-D, 1, AK-1, 1-2, G6PD, B, GLO-1, 1-2, ความ □ี □ของฟีโนไทป์ : 0.0115

Oncogenes

Wnt4 +, wnt7h +

Mutational profile

การกลายพันธุ์ของ TP53

Reverse transcriptase	□ชิงลบ

HANDLING AND CULTURE

Culture medium

DMEM:Ham's F12 (1:1), w: 3.1 กรัม /ลิตร กล □โคส , w: 2.5 มิลลิโมลาร์ L-กลูตามีน , w: 15 มิลลิโมลาร์ HEPES, w: 0.5 มิลลิโมลาร์ โซ □ดียมไพรู □วต , w: 1.2 กรัม /ลิตร NaHCO3 (หมาย □ลขบทความ Cytion 820400a)

Incubation atmosphere	37°C, 5%CO2, บรรยากาศชื้น

Supplements

□ติมอาหาร □ลี้ยง □ชื้อด้วย FBS 10%

Dissociation reagent	แอคคู □ทส

Cytion GmbH
Nikola-Tesla-Str. 3
69124 Heidelberg
Tel: +49 (0)6221 405780
info@cytion.com
cytion.com

Registered office Heidelberg
VAT ID: DE283292917
Local court Mannheim - HRB 714394
CEO / Geschäftsführer: Jonathan Steubing

Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

2 / 4

Subculturing

□□ PBS □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□□ T25 □□□□□□ PBS 3-5 □□. □□□□□□□□□□□□□□ T75 □□□□□□ 5-10 □□. □□□□□□□□□□□□□□□□ □□□□□□□□□□ Accutase □□□□□□ 1-2 □□. □□□□□□□□□□ T25 □□□ 2.5 □□. □□□□□□□□□□ T75□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ 8-10 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□ □□□□□□□□□□□□□ □ □□□□□□□□□□□□□□□□□□□ 10 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□ 300 □□□□□□□□□□□□□□□□□□□□□ (300xg) □□□□□□□□ 3 □□□□□ □□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□ □□□ □□□□□□□□□□□

Seeding density	1 x 10^4 □□□□□/□□. □□ □□□□□□ 6 □□□
Fluid renewal	2 □□□ 3 □□□□□□□□□□□□□□□□

Thawing and culturing

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 300 x g for 3 minutes to separate the cells and carefully discard the supernatant containing residual freezing medium.
Gently resuspend the cell pellet in 10 ml of fresh culture medium. For adherent cells, divide the suspension between two T25 culture flasks; for suspension cultures, transfer all the medium into one T25 flask to promote effective cell interaction and growth.
Adhere to established subculture protocols for continued growth and maintenance of the cell line, ensuring reliable experimental outcomes.

QUALITY CONTROL AND CRYOPRESERVATION

Sterility

□□ PCR □□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□
□□□ □□□□□□□ □□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□

Freeze medium	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□ □□ (□□□□□□ FBS) + 10% DMSO □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□ CM-1 (□□□□□□□□ □□□□□□□□□ Cytion 800100) □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□ □□□ □□□□

Storage conditions

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□ −150 □□□ −196 °C □□□□□□□□□□□□□□□□□□□□□□□□□□□ −80 °C □□ □□□□□□□□□□□□□□□□□□□□□

Shipping conditions

□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□ □□□□□□ −78 °C □□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□ □□□ □□

Cytion GmbH
Nikola-Tesla-Str. 3
69124 Heidelberg
Tel: +49 (0)6221 405780
info@cytion.com
cytion.com

Registered office Heidelberg
VAT ID: DE283292917
Local court Mannheim - HRB 714394
CEO / Geschäftsführer: Jonathan Steubing

Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

DONOR

Donor age	74 □□
Ethnicity	□□□□□□□□□□

LEGAL AND SAFETY

Safety precautions

□□□ □□□□□□□□□□□□□□□□□□□□□□ □□ □□ □□□□□□□□ □□□ □□□□□□□□□□□□□□□□□□□ □□ □□□□□□□□□□□□□□□□□□□□ □□

Warranty

□□□Cytion □□
□□
60 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□
□□□□□□□□□□□□□□□□□□□□□□□□ □□□/□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□
<a href=""/Who-we-are/Warranty/"" hreflang=""x-default"">□□□□□□□□□□□□□□□□□□□□□□.

Material Transfer Agreement required	Yes