

HT-1197 | 305800

HT-1197

Description	HT-1197 is a human cell line derived from a patient with a rare form of cancer. It is characterized by its high growth rate and its ability to form colonies in soft agar. HT-1197 is a highly tumorigenic cell line that is used for studying the biology of cancer and for testing new drugs. HT-1197 is a human cell line that is used for studying the biology of cancer and for testing new drugs.
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Organism	Human
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Tissue	Colon
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Disease	Colon cancer
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Synonyms	HT 1197, HT1197, HT 1197.T
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HT-1197

Age	44 years
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Gender	Male
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Ethnicity	White
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Growth properties	Adherent
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HT-1197

Citation	HT-1197 (Cytion 305800)
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Biosafety level	1
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NCBI_TaxID	9606
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CellosaurusAccession	CVCL_1291
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HT-1197

Isoenzymes	G6PD, B
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Product sheet

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Tumorigenic Yes, Yes, Yes

Mutational profile NRAS, p.Gln61Arg (c.182A>G), TERT, c.1-124C>T (c.228C>T) (C228T),

Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

Supplements 10% FBS

Dissociation Reagent

Doubling time 61

Fluid renewal

Freeze medium (FBS) + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C. Transfer the cells to a sterile tube and centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium.
2. Seed cells into a 24-well plate (100,000 cells/well) or a 96-well plate (20,000 cells/well). Incubate at 37°C with 5% CO₂.
3. Monitor cell growth and confluency. Once cells are confluent, passage them into a new plate.
4. For passage, trypsinize the cells and resuspend them in 1 mL of complete medium. Seed them into a new plate at a density of 100,000 cells/well (24-well) or 20,000 cells/well (96-well).
5. The cells should reach confluency within 24-48 hours. Once confluent, they can be used for experiments or passaged again.
6. For freezing, trypsinize the cells and resuspend them in 1 mL of freezing medium. Seed them into a 24-well plate (100,000 cells/well) or a 96-well plate (20,000 cells/well). Incubate at 37°C with 5% CO₂.
7. Once cells are confluent, trypsinize them and resuspend them in 1 mL of freezing medium. Seed them into a new plate at a density of 100,000 cells/well (24-well) or 20,000 cells/well (96-well).
8. The cells should reach confluency within 24-48 hours. Once confluent, they can be used for experiments or passaged again.

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**Incubation
Atmosphere** 37°C, 5%_{CO2}, humidified

Flask Coating CellStim

**Shipping
Conditions** Shipped at ambient temperature. Cells are supplied in a liquid medium and are stable for up to 72 hours at 15-25°C. Cells should be stored at -78°C for long-term storage.

**Storage
Conditions** Cells should be stored at -150 to -196°C in liquid nitrogen. Cells should be stored in a liquid nitrogen vapor phase. Cells should be stored in a liquid nitrogen vapor phase.

Cells are supplied in a liquid medium and are stable for up to 72 hours at 15-25°C.

Sterility Cells are supplied in a liquid medium and are stable for up to 72 hours at 15-25°C. Cells are supplied in a liquid medium and are stable for up to 72 hours at 15-25°C. Cells are supplied in a liquid medium and are stable for up to 72 hours at 15-25°C.