

HT55 | 305018

Description	HT55 is a human colorectal adenocarcinoma cell line derived from a 54-year-old male patient with a primary tumor (p.Lys241Ter (p.Lys241Ter) and a metastatic lesion (p.Arg213Leu). The cell line is characterized by its high growth rate and its ability to form colonies in soft agar. HT55 cells are highly tumorigenic in nude mice and are used as a model for studying the WNT/β-catenin signaling pathway and the role of APC in colorectal cancer.
Organism	Human
Tissue	Colorectal adenocarcinoma
Disease	Colorectal cancer
Applications	HT55 cells are used for studying the WNT/β-catenin signaling pathway and the role of APC in colorectal cancer. They are also used for studying the effects of various drugs and treatments on cell growth and survival.
Synonyms	HT55
Age	54 years
Gender	Male
Ethnicity	German
Morphology	Epithelial cells
Cell type	Colorectal adenocarcinoma
Growth properties	High growth rate
Citation	HT55 (Cytion: 305018)
Biosafety level	1
NCBI_TaxID	9606

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CellosaurusAccession CVCL_1294

Mutational profile p.Gln1131Ter p.Gln1303Ter p.Arg1463Ser p.Asn581Tyr

Culture Medium EMEM (MEM Eagle) 2 mM L-glutamine 2.2 g/l NaHCO3 EBSS (820100a)

Supplements 10% FBS

Dissociation Reagent

Doubling time 28

Subculturing T25

Split ratio 1:5

Seeding density 1 x 10⁴ cells/cm²

Fluid renewal 3

Freeze medium

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Thawing and
Culturing Cells

1. 将细胞悬液缓慢解冻，并立即转移到含有 10% 胎牛血清的完全培养基中。将细胞悬液转移到含有 10% 胎牛血清的完全培养基中，并在 37°C 下孵育 24 小时。
2. 将细胞悬液转移到含有 10% 胎牛血清的完全培养基中，并在 37°C 下孵育 24 小时。
3. 将细胞悬液转移到含有 10% 胎牛血清的完全培养基中，并在 37°C 下孵育 24 小时。
4. 将细胞悬液转移到含有 10% 胎牛血清的完全培养基中，并在 37°C 下孵育 24 小时。
5. 将细胞悬液转移到含有 10% 胎牛血清的完全培养基中，并在 37°C 下孵育 24 小时。
6. 将细胞悬液转移到含有 10% 胎牛血清的完全培养基中，并在 37°C 下孵育 24 小时。
7. 将细胞悬液转移到含有 10% 胎牛血清的完全培养基中，并在 37°C 下孵育 24 小时。
8. 将细胞悬液转移到含有 10% 胎牛血清的完全培养基中，并在 37°C 下孵育 24 小时。

Incubation
Atmosphere

37 °C, 5% CO₂, 95% 空气

Shipping
Conditions

细胞在含有 10% 胎牛血清的完全培养基中，并在 37°C 下孵育 24 小时。

Storage
Conditions

细胞在含有 10% 胎牛血清的完全培养基中，并在 37°C 下孵育 24 小时。