

Product sheet

HCC827 | 305041

General Information

Description	HCC827 is a human colorectal adenocarcinoma cell line. It is a highly tumorigenic, anchorage-dependent cell line that grows in the form of multicellular spheres. HCC827 cells are characterized by their ability to form spheroids in suspension culture, which is a key feature for their use in drug screening and cancer research. The cell line is derived from a primary tumor and is known for its high growth rate and tumorigenicity in immunodeficient mice.
Organism	Human
Tissue	Colorectal adenocarcinoma
Disease	Colorectal adenocarcinoma
Synonyms	HCC-827, HCC 827, HCC0827

Cell Culture

Age	39 years
Gender	Male
Morphology	Epithelial
Growth properties	Highly tumorigenic, anchorage-dependent

References and Safety

Citation	HCC827 (ATCC CCL-229) Cytion 305041
Biosafety level	1
NCBI_TaxID	9606
CellSaurusAccession	CVCL_2063

Contact Information

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Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are harvested by trypsinization and centrifugation. Cells are resuspended in β -PBS (Cytion 820700a) supplemented with 10% FBS and seeded into T25, 75 or 150 cm² flasks. Media is replaced every 3-5 days. Cells are passaged when confluency reaches 70-80%.

Fluid renewal 2-3 times per week

Freeze medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a) + 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath. Transfer cells to a pre-warmed medium.
 2. Centrifuge cells at 300 x g for 3 minutes. Resuspend cells in 10% FBS medium.
 3. Seed cells into T25, 75 or 150 cm² flasks. Incubate at 37°C in 5% CO₂.
 4. Monitor cell growth and confluency. Media is replaced every 3-5 days.
 5. Cells are passaged when confluency reaches 70-80%.
 6. Harvest cells by trypsinization and centrifugation. Resuspend cells in 10% FBS medium.
 7. Seed cells into T25, 75 or 150 cm² flasks. Incubate at 37°C in 5% CO₂.
 8. Monitor cell growth and confluency. Media is replaced every 3-5 days.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

Freezing Procedure Cells are harvested by trypsinization and centrifugation. Cells are resuspended in RPMI 1640 + 10% FBS + 10% DMSO and seeded into cryovials. Vials are stored at -78°C.

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Shipping Conditions -78°C

Storage Conditions

Store at -150 to 196 °C

HLA

Sterility

PCR