

Product sheet

HT-29 CX-1 | 300159

HT-29 CX-1

Description HT-29 CX-1 is a human colorectal adenocarcinoma cell line, established from a 44-year-old male patient with a primary tumor in the sigmoid colon. The cells are characterized by their ability to form spheroids in suspension culture and their expression of sialosyl Lewis a (sialosyl Le^a) and carcinoembryonic antigen (CEA). HT-29 CX-1 cells are highly tumorigenic in nude mice and are used for studying the biology of colorectal cancer and for testing anticancer drugs.

Organism Human

Tissue Colon

Disease Colorectal adenocarcinoma

Synonyms HT-29/Cx-1, Cx1

HT-29 CX-1

Age 44 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

HT-29 CX-1

Citation CX-1 (HT-29) Cytion 300159

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_2011

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Protein expression	P53, CEA
Tumorigenic	Yes, tumorigenic
Reverse transcriptase	Yes
Products	8, 18, 19
Media	
Culture Medium	DMEM, w: 4.5 g/L, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM (Cytion 820300a)
Supplements	10% FBS
Dissociation Reagent	Yes
Doubling time	24 hours
Subculturing	Yes, 1:3 to 1:6
Seeding density	1 x 10 ⁴ cells/cm ²
Fluid renewal	1:2
Post-Thaw Recovery	24 hours
Freeze medium	10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial quickly in a water bath at 37°C. Do not shake the vial. Transfer the entire contents to a 15 mL centrifuge tube.
2. Centrifuge at 300 x g for 3 minutes at 4°C. Remove the supernatant and resuspend the cells in 1 mL of fresh medium.
3. Seed the cells into a 75 cm² flask containing 37 mL of fresh medium.
4. Incubate the cells in a humidified CO₂ incubator at 37°C and 5% CO₂. The cells should reach 70% confluency within 24 hours.
5. Once the cells have reached 70% confluency, they can be used for experiments or passaged into a new flask.
6. For passaging, trypsinize the cells and resuspend them in 300 µL of medium. Seed them into a 75 cm² flask containing 37 mL of fresh medium.
7. The cells should reach 70% confluency within 24 hours. They can then be used for experiments or passaged into a new flask.
8. The cells should reach 70% confluency within 24 hours. They can then be used for experiments or passaged into a new flask.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium

Freezing Procedure Freeze cells in 1 mL of freezing medium in a 1.5 mL microcentrifuge tube at -80°C.

Shipping Conditions Ship cells in a dry ice container at -80°C.

Storage Conditions Store cells at -150°C for up to 196 days.

Cell Culture Media CX-1 / Cell Culture Media CX-1 / HLA

Sterility Cell Culture Media CX-1 is sterile and ready to use. Cell Culture Media CX-1 is sterile and ready to use.