

COLO-320 | 305315

Cell Line

Description	COLO-320 is a human colorectal adenocarcinoma cell line. It is characterized by the presence of the CDKN2A (p16) gene, which is a tumor suppressor gene. The cell line is derived from a primary tumor and is used for research purposes. It is also known as Colo-320, Colo 320, COLO #320, COLO320, Colo320, CoLo320, Co320, COLO 320F, Colorado 320, and COLO 320.
Organism	Human
Tissue	Colorectal
Disease	Colorectal cancer
Synonyms	Colo-320, Colo 320, COLO #320, COLO320, Colo320, CoLo320, Co320, COLO 320F, Colorado 320, COLO 320

Cell Line

Age	55 years
Gender	Male
Ethnicity	White

Growth properties

Cell Line

Citation	COLO-320 (ATCC CCL-222) Cytion: 305315
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1989

Cell Line

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Mutational profile TP53 p.Arg248Trp (c.742C>T)

Culture Medium RPMI 1640 2.0 mmol/L Glucose 2.0 mmol/L NaHCO₃ (820700a mmol/L)

Supplements 10% FBS

Dissociation Reagent

Seeding density 2 - 4 × 10⁴ /

Fluid renewal 2 - 3

Freeze medium FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath.
2. Centrifuge cells at 300 × g for 3 minutes.
3. Resuspend cells in 10 mL of complete medium.
4. Seed cells into a T25 flask at a density of 2 - 4 × 10⁴ cells per flask.
5. Incubate cells in a 37°C incubator with 5% CO₂.
6. Monitor cell growth and confluency.
7. Perform fluid renewal when cells reach 70% confluency.
8. Harvest cells for analysis.

Incubation Atmosphere 37°C, 5% CO₂

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Shipping Conditions

SECRET

Storage Conditions

SECRET

Sterility

Abstract

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