

Product sheet

C918 C918 | 305109

Description C918 is a cell line derived from a 60-year-old male patient with a primary tumor of the colon. The cells were established in 1982 and are maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 100 U/ml penicillin, 100 U/ml streptomycin, and 100 U/ml nystatin. The cells are characterized by their ability to form colonies in soft agar and their tumorigenicity in nude mice. C918 cells are highly sensitive to 5-fluorouracil (5-FU) and are used as a model for studying the mechanism of action of 5-FU in colorectal cancer.

Organism Human

Tissue Colon

Disease Colorectal cancer

Age 60 years

Gender Male

Morphology Epithelial

Growth properties Adherent

Citation C918 (ATCC CCL-221) (ATCC CCL-221) 305109

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_8471

Culture Medium RPMI 1640 medium supplemented with 2.0 mM L-glutamine, 2.0 mM NaHCO₃ (pH 7.2), and 10% fetal bovine serum (FBS).

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Supplements 10% FBS

Dissociation Reagent

Subculturing

Fluid renewal 2-3 times

Freeze medium

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Wash cells with PBS.
4. Resuspend cells in 70% FBS.
5. Seed cells into a 15 cm dish.
6. Incubate cells for 8 days.
7. Harvest cells at 10 days.
8. Store cells at -150°C.

Incubation Atmosphere

37°C, 5% CO₂

Flask Coating

Yes

Freezing Procedure

Freeze cells in a 15 cm dish at -78°C.

Shipping Conditions

Ship cells at -78°C.

