

Product sheet

SNU-16 | 305273

General Information

Description	SNU-16 is a cell line derived from a patient with colorectal adenocarcinoma. It is a highly proliferative, anchorage-dependent cell line that grows in the presence of 10% fetal bovine serum (FBS) in DMEM supplemented with 100 ng/ml insulin, 10 ng/ml transferrin, and 10 ng/ml selenium (ITS). The cell line is characterized by its ability to form colonies in soft agar and its sensitivity to the chemotherapeutic agent 5-fluorouracil (5-FU). SNU-16 is a well-established model for studying colorectal cancer biology and drug response.
Organism	Human
Tissue	Colorectal adenocarcinoma
Disease	Colorectal adenocarcinoma
Metastatic site	Colorectal adenocarcinoma
Synonyms	SNU16, NCI-SNU-16

Cell Line Characteristics

Age	33 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Highly proliferative, anchorage-dependent

Cell Line Identification

Citation	SNU-16 (ATCC CCL-222) Cytion 305273
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0076

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of pre-warmed medium. Seed the cells into a 96-well plate.
3. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere. The cells should reach 70% confluency within 7-10 days.
4. Harvest the cells by trypsinization. Seed the cells into a 96-well plate at a density of 15 µl per well.
5. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere. The cells should reach 70% confluency within 7-10 days.
6. Harvest the cells by trypsinization. Seed the cells into a 96-well plate at a density of 15 µl per well.
7. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere. The cells should reach 70% confluency within 7-10 days.
8. Harvest the cells by trypsinization. Seed the cells into a 96-well plate at a density of 15 µl per well.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Freeze the cells in a freezing medium and store at -80°C.

Shipping Conditions Ship the cells at -80°C.

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

HLA

Sterility The cells are free of mycoplasmas and PCR detectable. The cells are free of endotoxins.