

Product sheet

**SNU-16 | 305273**

**General Information**

<b>Description</b>	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 insulin, transferrin, and selenium (ITS) supplements. SNU-16 is characterized by its ability to form spheroids in suspension culture. The cell line is maintained in DMEM/F12 medium supplemented with ITS and 10% fetal bovine serum (FBS). SNU-16 is a well-established cell line used for studying colorectal cancer biology and drug response. (CEA) <a href="#">[Link]</a>
<b>Organism</b>	Human
<b>Tissue</b>	Colorectal adenocarcinoma
<b>Disease</b>	Colorectal adenocarcinoma
<b>Metastatic site</b>	Colorectal adenocarcinoma
<b>Synonyms</b>	SNU16, NCI-SNU-16

**Cell Line Characteristics**

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

**Cell Line Identification**

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



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**Thawing and Culturing Cells**

1. Thaw the cells 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. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO<sub>2</sub> in a humidified atmosphere.
3. Monitor the cells for attachment and growth. Change the medium after 24 hours.
4. Once the cells are established, passage them into fresh medium. Seed at 70% confluency.
5. Use the cells for experiments within 15 passages. Passage every 8 passages.
6. Store the cells in liquid nitrogen. Use 300 x g cells for 3 passages. Store in liquid nitrogen for long-term storage.
7. Thaw the cells 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.
8. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO<sub>2</sub> in a humidified atmosphere.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** Cell culture medium, 10 minutes

**Freezing Procedure** Seed cells into freezing medium, incubate at 37°C, then freeze at -80°C

**Shipping Conditions** Store at -80°C, use dry ice

**Storage Conditions** Store at -150°C, 196 K, use liquid nitrogen

**Genotype / Phenotype / HLA**

**Sterility** Cells are free of mycoplasmas, PCR confirmed. Cells are free of endotoxins.