

Product sheet

SNU-5 | 305633

General information

Description	SNU-5 is a cell line derived from a human stomach cancer cell line. It is a highly proliferative, anchorage-dependent cell line that grows in suspension culture. SNU-5 cells are characterized by their ability to form spheroids in suspension culture. SNU-5 cells are highly tumorigenic and are used as a model for studying gastric cancer biology and drug response.
Organism	Human
Tissue	Stomach
Disease	Gastric cancer
Metastatic site	Metastatic
Applications	Cell culture, drug screening, cancer research
Synonyms	SNU5, NCI-SNU-5

Cell characteristics

Age	33 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial
Cell type	Epithelial
Growth properties	Highly proliferative

Additional information

Citation	SNU-5 (NCI-SNU-5) Cytion 305633
Biosafety level	1
NCBI_TaxID	9606

XXXX SNU-5 | 305633

CellosaurusAccession CVCL_0078

GMO Status GMO-S1: XXXXXX XXXXXXXXXXXX 4T1 XX XXXXX XXXX a-Luc reporter XXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXX-XXXXXXXX, XXXXXXX XXXXXXX

XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXX

Mutational profile XXXXXXX: CDKN2A, XXXXXXX, p.Arg80Ter (c.238C>T) (p.Pro94Leu, c.281C>T), XXXXXXXXXXXXXXX; XXXXXXX: TP53, XXXXXXX, p.Gly262_Ser269delGlyAsnLeuLeuGlyArgAsnSer (c.784_807del24), XX XXXXX

XXXXXXXXXX

Culture Medium IMDM, w: 4.5 g/L XXXXXXX, w: 4 mM L-XXXXXXX, w: 25 mM HEPES, w: 1.0 mM XXXXX XXXXXXX, w: 3.024 g/L NaHCO3 (XXXX XXXXX Cytio

Supplements XXXXX XXXXXXX 20% FBS

Dissociation Reagent XXXXXXX

Doubling time 34 XXXXX

Subculturing XXXXX XX XXXXXXX XXXXXXX XX 15 X' X XXXXXXXXXXXXXXX, XXX XX XXX XXXXXXX, XXX XX XXXXXXXXXXX XXXXXXX, XXXXX XX XXXXXXX XXXXXXX XXXXXXX

Fluid renewal 2 XX 3 XXXXXXX XXXXXXX

Freeze medium XXXXXXX XXXXXXX XXXXXXX, XXX XXXXXXX XXXXXXX XXXXXXX XXXX (XXXX FBS) + 10% DMSO XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX, XX C

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**Thawing and
Culturing Cells**

1. Thaw the vial quickly in a water bath at 37°C. Do not allow the cells to warm to 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 medium. Seed the cells into a 96-well plate at 100,000 cells per well.
3. Incubate the cells in a humidified atmosphere of 5% CO₂ at 37°C. Change the medium after 24 hours.
4. Harvest the cells after 48-72 hours. Harvest efficiency is approximately 70%.
5. Seed the cells into a 96-well plate at 100,000 cells per well. Incubate for 15-18 hours at 37°C.
6. Harvest the cells after 15-18 hours. Harvest efficiency is approximately 70%.
7. Harvest the cells after 10-12 hours. Harvest efficiency is approximately 70%.
8. Harvest the cells after 10-12 hours. Harvest efficiency is approximately 70%.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Shipping Conditions Store at -150°C. Thaw at 37°C. Incubate at 37°C, 5% CO₂.

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

HLA

Sterility The cells are free of mycoplasmas and other contaminants. PCR screening is available upon request.