SNU-16

305273

GENERAL INFORMATION

Description

SNU-16 □胞系来源于人类成人分化较差的胃癌。这种 □胞系被广泛用于胃癌研究，为研究胃腺癌发生和发展过程中的分子和 □胞机制提供了模型。SNU-16 □胞对于研究与这种侵袭性胃癌相关的基因改变、信号转导途径和肿瘤微环境尤其有价值。

SNU-16 □胞呈现上皮形态，其特征是表达胃癌标志物，包括癌胚抗原（ CEA）和各种□胞角蛋白。众所周知，它们具有 c-MET 基因扩增和 MET 受体过表达，而 MET 受体在□胞生长、存活和转移中起着重要作用。研究人员利用 SNU-16 □胞探索 MET 信号通路在胃癌中的作用，并评估 MET 抑制剂和其他靶向疗法的疗效。此外， SNU-16 □胞还被用于耐药性研究、高通量筛选试验和新化疗药物的临床前测试。 SNU-16 □胞系与胃癌研究的相关性凸显了它在促进我们对该疾病的了解和为胃癌患者开发更有效的治疗策略方面的重要性。

Tissue	胃部
Disease	腺癌
Metastatic site	腹水

Synonyms

- SNU16
- NCI-SNU-16

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Morphology	上皮□胞
Tumourigenic	是，在半固体介质中

IDENTIFIERS

Citation

SNU-16（Cytion 目录号 305273）

NCBI TaxID	9606
Cellosaurus	CVCL_0076

EXPRESSION AND SUSCEPTIBILITY

Surface antigens

血型 A，Rh +、癌胚抗原 (CEA) 和 TAG 72

Oncogenes

Myc +, erb-B2 +

Cytion GmbH
Nikola-Tesla-Str. 3
69124 Heidelberg
Tel: +49 (0)6221 405780
info@cytion.com
cytion.com

Registered office Heidelberg
VAT ID: DE283292917
Local court Mannheim - HRB 714394
CEO / Geschäftsführer: Jonathan Steubing

Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

Mutational profile

□□□MSH6□p.Lys1358fs*2□c.4065_4066insTTGA□□□□□□□□□TP53□p.Tyr205Phe (c.614A>T)□□□□□

HANDLING AND CULTURE

Culture medium

RPMI 1640□w□2.0 mM □□□□□□□w□2.0 g/L NaHCO3□Cytion □□□□ 820700a□□

Incubation atmosphere	37°C, 5%CO2, □□□□□

Supplements

□□□□□□□ 10% FBS□25 mM HEPES

Subculturing

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 22 □□□□□□□□□□□□□□□□□□

Fluid renewal	□□ 2 □

Thawing and culturing

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 300 x g for 3 minutes to separate the cells and carefully discard the supernatant containing residual freezing medium.
Gently resuspend the cell pellet in 10 ml of fresh culture medium. For adherent cells, divide the suspension between two T25 culture flasks; for suspension cultures, transfer all the medium into one T25 flask to promote effective cell interaction and growth.
Adhere to established subculture protocols for continued growth and maintenance of the cell line, ensuring reliable experimental outcomes.

QUALITY CONTROL AND CRYOPRESERVATION

Sterility

□□□□ PCR □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

Freeze medium	□□□□□□□□□□□□□□□ FBS□+10% DMSO □ CM-1□Cytion □□□□□□ 800100□□□□□□□□□ □□□□□□□□□□□□□□□□□CM-1□Cytion □□□□□□ 800100□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□

Storage conditions

□□□□□□□□□□□□□□□□□□□□□□□□□ -150 □ -196 ℃□□-80 °C□□□□□□□□□□□□□□□□□□□

Shipping conditions

□□ -78 °C □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

DONOR

Donor age	33 □
Ethnicity	□□

LEGAL AND SAFETY

Safety precautions

计划将低温样品储存在液氮中以便将来解冻时，必须遵守严格的安全措施。在将冷冻样本移入或移出液氮罐时，必须穿戴适当的防护手套和防护服，并使用面罩或安全护目镜。这样做是为了降低在移出时因冷冻样品爆炸而造成伤害的风险，因为爆炸可能导致锋利的碎片飞溅。

Warranty

在Cytion，我们保证产品的质量和活力。
我们保证，从我们的工厂发货后 60 天内，我们的□胞在开始培养时都是存活的。
我们保证所有材料均符合分析证书和/或产品说明书中描述的规格。
有关详□信息，请参阅我们的 <a href="" /Who-we-are/Warranty/"" hreflang=""x-default"">保修声明。

Material Transfer Agreement required	Yes

PRODUCT DETAILS

Composition table