

Cell Line SCLC-21H | 300225

Cell Line

Description	SCLC-21H is a human small cell lung carcinoma (SCLC) cell line. It is derived from a male patient with a primary tumor in the right lung. The cell line is characterized by its high growth rate and its ability to form tumors in nude mice. SCLC-21H is a highly tumorigenic cell line that is used for the study of SCLC biology and for the development of new therapies. SCLC-21H is a highly tumorigenic cell line that is used for the study of SCLC biology and for the development of new therapies. It is characterized by its high growth rate and its ability to form tumors in nude mice. SCLC-21H is a highly tumorigenic cell line that is used for the study of SCLC biology and for the development of new therapies.
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Organism	Human
Tissue	Lung
Disease	Small cell lung carcinoma
Metastatic site	Brain, Liver, Lung
Synonyms	SCLC21H

Cell Line

Age	46 years
Gender	Male
Ethnicity	White
Growth properties	Adherent

Cell Line

Citation	SCLC-21H (Cell Line) Cytion 300225
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0024

Product sheet

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Cell Line

Oncogenes	Myb, Myc, c-myc
Tumorigenic	Yes
Ploidy status	Diploid
Karyotype	42/43, 39-44. 3p.

Media

Culture Medium	RPMI 1640, w: 2.0 mM Glucose, w: 2.0 g/L NaHCO3 (Cytion 820700a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Doubling time	45 h
Subculturing	5 x 10 ⁵ cells, 1:2 to 1:4
Split ratio	1:2 to 1:4
Seeding density	2 x 10 ⁴ cells/cm ²
Fluid renewal	2-3 times
Post-Thaw Recovery	24-48 h
Freeze medium	50% FBS + 10% DMSO, CM-1 (Cytion 800100)

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**Thawing and
Culturing Cells**

1. 将冻存管放入 37°C 水浴中快速解冻，避免反复冻融。解冻后将细胞悬液转移至离心管中，离心（150 × g，5 分钟）。弃去上清液，加入适量培养基，轻轻混匀。
2. 将细胞悬液接种至预先铺有细胞的培养皿中。将培养皿置于 37°C、5% CO₂ 培养箱中培养。待细胞贴壁后，更换新鲜培养基。
3. 细胞贴壁后，将培养基更换为无血清培养基，继续培养 24 小时。然后，将培养基更换为含有生长因子的完全培养基，继续培养。
4. 细胞增殖至汇合度约 70% 时，可进行传代培养。
5. 将细胞悬液接种至新的培养皿中。接种量为原培养皿的 1/5。接种后将培养皿置于 37°C、5% CO₂ 培养箱中培养。
6. 细胞增殖至汇合度约 70% 时，可进行传代培养。
7. 细胞增殖至汇合度约 70% 时，可进行传代培养。
8. 细胞增殖至汇合度约 70% 时，可进行传代培养。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

无需涂层

**Freezing
Procedure**

将细胞悬液接种至预先铺有细胞的培养皿中。将培养皿置于 37°C、5% CO₂ 培养箱中培养。待细胞贴壁后，更换新鲜培养基。

**Shipping
Conditions**

将细胞悬液接种至预先铺有细胞的培养皿中。将培养皿置于 37°C、5% CO₂ 培养箱中培养。待细胞贴壁后，更换新鲜培养基。

**Storage
Conditions**

将细胞悬液接种至预先铺有细胞的培养皿中。将培养皿置于 37°C、5% CO₂ 培养箱中培养。待细胞贴壁后，更换新鲜培养基。

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Sterility

本产品经过严格的灭菌处理，确保无菌。本产品适用于 PCR 扩增、基因测序、细胞培养等实验。

████ SCLC-21H | 300225

████████ STR	CSF1PO: 10
	D13S317: 12
	D16S539: 12
	D5S818: 11,12
	D7S820: 11
	TH01: 9 █████
	TPOX: 8,9
	vWA: 17
	D3S1358: 15
	D21S11: 29,31.2
	D18S51: 14,15
	Penta E: 12,13
	Penta D: 9
	D8S1179: 12,13
	FGA: 22
	PEZ6: HROC324