

SW1271 SW1271 | 305880

Description	SW1271 is a human small cell lung carcinoma (SCLC) cell line. It is derived from a 69-year-old male patient with a primary tumor in the right lung. The cell line is characterized by its high growth rate and ability to form neuroendocrine tumors. It is commonly used in research on SCLC and as a model for studying the effects of chemotherapy and radiation therapy. SW1271 is a highly tumorigenic cell line that is sensitive to cisplatin and etoposide. It is also used in studies on the role of telomerase in cancer progression.
Organism	Human
Tissue	Lung
Disease	Small cell lung carcinoma
Synonyms	SW-1271, SW 1271
Age	69 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Cell type	Small cell lung carcinoma
Growth properties	Highly tumorigenic
Citation	SW1271 (ATCC CCL-220) 305880
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1716

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Antigen expression [REDACTED] A Rh ++

Mutational profile [REDACTED] NRAS [REDACTED] p.Gln61Arg (c.182A>G) [REDACTED] SMARCA4 [REDACTED] p.Asn774Lys (c.2322C>A) [REDACTED]

Culture Medium DMEM: DMEM:Ham's F12 (1:1) [REDACTED] 3.1 [REDACTED] 2.5 [REDACTED] 15 [REDACTED] (15 [REDACTED])

Supplements [REDACTED] 10% FBS [REDACTED] 5 [REDACTED]


Dissociation Reagent [REDACTED]

Fluid renewal 2 [REDACTED] 3 [REDACTED]

Freeze medium [REDACTED] ([REDACTED] FBS) + 10% DMSO [REDACTED]

- Thawing and Culturing Cells**
1. [REDACTED]
 2. [REDACTED] -150 [REDACTED]
 3. [REDACTED] 37 [REDACTED]
 4. [REDACTED] 70% [REDACTED]
 5. [REDACTED] 15 [REDACTED] 8 [REDACTED]
 6. [REDACTED] 300 × [REDACTED] 3 [REDACTED]
 7. [REDACTED] 10 [REDACTED]
 8. [REDACTED]

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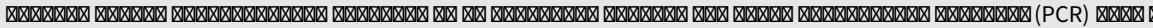
Incubation Atmosphere 37 

Flask Coating 

Shipping Conditions  -78

Storage Conditions  -150  -196 

/ / HLA

Sterility  (PCR) 