

SW1088 | 305879

SW1088

Description	SW1088 is a human cell line derived from a patient with a rare form of cancer. It is characterized by its high proliferation rate and its ability to form tumors in xenograft models. SW1088 cells are highly sensitive to certain chemotherapeutic agents, making them a valuable model for studying drug response in this type of cancer.
Organism	Human
Tissue	Colon
Disease	Colorectal cancer
Synonyms	SW-1088, SW 1088

Characteristics

Age	72 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Cell line characteristics

Citation	SW 1088 (Cytion 305879)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1715

Cell line characteristics

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Antigen expression

A; Rh+

Isoenzymes

AK-1, 1 ES-D, 1 G6PD, B GLO-I, 1 Me-2, 1-2 PGM1, 1-2 PGM3, 1

Tumorigenic

Yes, Yes, Yes

Mutational profile

NRAS, p.Gln61Lys (c.181C>A), (Cosmic-CLP=909745), TP53, p.Arg273Cys (c.817C>T),

Karyotype

46,XX,72-74. 4.2%. (DM) N5, N7 N20 X-Y

Fluid renewal

2 3

Freeze medium

10% DMSO

Thawing and Culturing Cells

1. 15
2. 70%
3. 37
4. 70%
5. 15
6. 300 x g 3
7. 10
8. 10

Incubation Atmosphere

37°C, 5% CO₂

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Flask Coating

Fluoropolymer

Freezing Procedure

For freezing, the cells should be seeded into the flask and allowed to attach. The medium should be removed and the cells washed with PBS. The cells should then be resuspended in freezing medium and frozen at -78°C.

Shipping Conditions

The cells should be shipped on dry ice at -78°C.

Storage Conditions

The cells should be stored at -150 to -196 °C in liquid nitrogen. The storage time is unlimited.

Applications

Sterility

The cells are supplied as a suspension in DMEM/F12 medium, which is free of mycoplasmas and PCR inhibitors.

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