

Product sheet

SW-948 | 300347

General information

Description	SW-948 is a cell line derived from a patient with acute myeloid leukemia (AML) and is characterized by a t(8;21) translocation.
Organism	Human
Tissue	Leukemia
Disease	Acute Myeloid Leukemia (AML), t(8;21) CML
Synonyms	SW948, SW 948

Cell characteristics

Age	81 years
Gender	Male
Ethnicity	White
Morphology	Leukemia cells
Growth properties	Leukemia cells

Identification and safety

Citation	SW-948 (Cytion 300347)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0632

Antigen expression

Antigen expression	O, Rh+
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Isoenzymes G6PD, B, PGM1, 1-2, PGM3, 1-2, 6PGD, A, PEP-D, 1, ES-D, 1

Oncogenes c-myc, K-ras, H-ras, N-ras, myb, fos, N-myc, sis.

Tumorigenic Yes

Reverse transcriptase No

Products CEA 7 ng/10⁶ cells/10⁶ cells, CSAp 750 ng/0.5 x 10⁶ cells

Mutational profile SW-948 Kras 61: CAA(Wt Gln) >CTA(Leu)

Media

Culture Medium EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

Supplements 10% FBS, 1% NEAA

Dissociation Reagent Trypsin

Subculturing 1:2 to 1:5 in PBS, T25, 3-5 x 10⁶ cells in PBS, 3 x 10⁶ cells in PBS

Seeding density 1 x 10⁴ cells/cm²

Fluid renewal 1:2

Post-Thaw Recovery 1:10 in 24 wells

Freeze medium FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Do not leave the cells in the water bath for more than 5 minutes. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in a pre-warmed medium.
3. Seed the cells into a pre-warmed medium. Incubate the cells at 37°C in 5% CO₂.
4. Monitor the cell growth and confluency. Harvest the cells at 70% confluency.
5. Seed the cells into a pre-warmed medium. Incubate the cells at 37°C in 5% CO₂.
6. Harvest the cells at 70% confluency. Seed the cells into a pre-warmed medium.
7. Incubate the cells at 37°C in 5% CO₂.
8. Harvest the cells at 70% confluency.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Yes

Freezing Procedure

Resuspend the cells in a freezing medium. Freeze the cells at -80°C.

Shipping Conditions

Store the cells at -80°C.

Storage Conditions

Store the cells at -150°C for 196 weeks.

HLA

Sterility

The cells are sterile and free of mycoplasmas. PCR screening is performed. The cells are free of endotoxins.

██████ SW-948 | 300347

██████ HLA

A*: 01:01:01
B*: '08:01:01, '58:01:01
C*: 07:01:01, 07:18:01
DRB1*: '04:04:01, '13:02:01
DQA1*: '01:02:01, '03:01:01
DQB1*: 03:02:01, 06:04:01
DPB1*: 04:01:01
E: 01:01:01