

SW48 | 305235

SW48

Description	SW48 is a human colorectal adenocarcinoma cell line. It is derived from a 55-year-old male patient with a primary tumor in the sigmoid colon. The cells are characterized by their ability to form colonies in soft agar and their sensitivity to 5-fluorouracil. SW48 cells are commonly used in research on colorectal cancer and its treatment.
Organism	Human
Tissue	Colorectal adenocarcinoma
Disease	Colorectal adenocarcinoma
Synonyms	SW-48, SW 48

Characteristics

Age	83 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

References

Citation	SW48 (ATCC CCL-221) Cytion 305235
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1724

SW48-1

SW48 | 305235

Tumorigenic Ja, tumorigen

SW48

Culture Medium

L-15 Leibovitz, w: 2.0 mM L-Glutamin, 0.55 g/L NaHCO₃ (5% CO₂), 10% FBS

Supplements 10% FBS

Dissociation Reagent

Trypsin

Subculturing

Die Zellen werden in 10% FBS in T25 oder 75 cm² Flasks kultiviert. Bei Erreichen der Konfluenz werden die Zellen mit Trypsin (1 mg/ml) 3-5 Minuten inkubiert und anschließend mit PBS gewaschen.

Freeze medium

Die Zellen werden in 10% FBS + 10% DMSO in 1 ml Rörchen gefroren.

Thawing and Culturing Cells

1. Die Zellen werden in 10% FBS in T25 oder 75 cm² Flasks kultiviert.
2. Die Zellen werden in 10% FBS in T25 oder 75 cm² Flasks kultiviert.
3. Die Zellen werden in 10% FBS in T25 oder 75 cm² Flasks kultiviert.
4. Die Zellen werden in 10% FBS in T25 oder 75 cm² Flasks kultiviert.
5. Die Zellen werden in 10% FBS in T25 oder 75 cm² Flasks kultiviert.
6. Die Zellen werden in 10% FBS in T25 oder 75 cm² Flasks kultiviert.
7. Die Zellen werden in 10% FBS in T25 oder 75 cm² Flasks kultiviert.
8. Die Zellen werden in 10% FBS in T25 oder 75 cm² Flasks kultiviert.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating Ja

SW48 | 305235

Freezing
Procedure

Freezing procedure: The cells should be frozen in a freezing medium (e.g. FBS + 10% DMSO) and stored at -78°C.

Shipping
Conditions

Shipping conditions: The cells should be shipped in a cooling medium (e.g. FBS + 10% DMSO) and stored at -78°C.

Storage
Conditions

Storage conditions: The cells should be stored in a storage medium (e.g. FBS + 10% DMSO) at -150 to 196 °C.

SW48 | 305235 | 305235

Sterility

The cells are supplied as a suspension in a sterile medium (e.g. FBS + 10% DMSO) and are ready for PCR analysis. The cells are supplied as a suspension in a sterile medium (e.g. FBS + 10% DMSO) and are ready for PCR analysis.