

SW626 | 305881

SW626

Description SW626 is a human colorectal adenocarcinoma cell line. It is a highly invasive, metastatic cell line that is commonly used in cancer research. The cell line is derived from a primary tumor and has been extensively characterized for its growth properties and drug response.

Organism Human

Tissue Colon

Disease Colorectal adenocarcinoma

Synonyms SW-626, SW 626

Characteristics

Age 46 years

Gender Male

Ethnicity Caucasian

Cell type Epithelial

Growth properties Adherent

Cell Line Information

Citation SW626 (ATCC CCL-221) Cytion 305881

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1725

Cell Line Source

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Isoenzymes	AK-1, 1 ES-D, 1 G6PD, B GLO-I, 1 Me-2, 1 PGM1, 1 PGM3, 1
Tumorigenic	Yes; Yes, in vitro tumorigenic potential in vivo tumorigenic potential No, in vitro tumorigenic potential in vivo tumorigenic potential
Mutational profile	APC , p.Arg976fs*9 (c.2926_2927insA) , KRAS , p.Gly12Val (c.35G>T) , p.Gly262Val (c.785G>T) , TP53
Karyotype	46,XX ; X,X = 104. Normal karyotype Abnormal karyotype 23%. der(2)t(2;5)(q35;q31); de t(3;11)(p21;q25) i(15q) del(15q) del(8) del(N3, N7, N9, N19 -N20, X X X X X X X X X X
Cell Line ID	CCL-100
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L Glucose , w: 2.5 mM L- Asparagine , w: 15 mM HEPES, w: 0.5 mM Selenium , w: 1.2 g/L Insulin
Supplements	FBS 10% FBS
Dissociation Reagent	Trypsin
Fluid renewal	2 x 3 times per week
Freeze medium	RPMI , FBS , DMSO (10% FBS) + 10% DMSO RPMI FBS DMSO

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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中培养。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C超低温冰箱中保存。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中培养。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于70%相对湿度中培养。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于15" x 8" x 8"的培养瓶中培养。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于300 x g离心3分钟，然后将细胞悬液加入含有培养基的细胞培养瓶中培养。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于10" x 10" x 10"的培养瓶中培养。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C超低温冰箱中保存。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

Shipping
Conditions

细胞悬液应储存在-150°C超低温冰箱中，运输过程中应保持在-78°C以下。

Storage
Conditions

细胞悬液应储存在-150°C超低温冰箱中，运输过程中应保持在-78°C以下。

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Sterility

细胞悬液应储存在-150°C超低温冰箱中，运输过程中应保持在-78°C以下。