

SW620 SW620 | 300466

Description

SW620 is a human colorectal adenocarcinoma cell line. It is a highly metastatic cell line that is sensitive to 5-Fluorouracil (5-FU). SW620 cells are derived from a 51-year-old male patient with a primary tumor in the sigmoid colon. The cells are characterized by their ability to form large, solid, and necrotic nodules in subcutaneous tissue. SW620 cells are highly sensitive to 5-FU and are used as a model for studying the response to 5-FU in colorectal cancer. SW620 cells are also used in research on the role of the Wnt signaling pathway in colorectal cancer. SW620 cells are highly metastatic and are used in research on the role of the Wnt signaling pathway in colorectal cancer.

Organism Human

Tissue Colon

Disease Colorectal adenocarcinoma

Metastatic site Lung, Liver, Bone, Brain

Synonyms SW620, SW 620, SW.620, SW.620

Age 51 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

Citation SW620 (ATCC CCL-221) | 300466

Biosafety level 1

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NCBI_TaxID 9606

CellosaurusAccession CVCL_0547

Tumorigenic Yes

Karyotype 48,XX,XY,t(11;22)(p11;p11)

Culture Medium DMEM 4.5g/l, 4g/l, 3.7g/l, 1.0g/l NaHCO3

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing 1:2 to 1:10

Fluid renewal 2x

Freeze medium 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. [Redacted]
2. [Redacted]
3. [Redacted]
4. [Redacted]
5. [Redacted]
6. [Redacted]
7. [Redacted]
8. [Redacted]

Incubation Atmosphere

37 [Redacted]

Flask Coating

[Redacted]

Freezing Procedure

[Redacted]-78

Shipping Conditions

[Redacted]-78

Storage Conditions

[Redacted]-150 -196 [Redacted]

/ / HLA

Sterility

[Redacted] (PCR) [Redacted]
[Redacted]

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HLA **A***: '02:01:01, '24:02:01
B*: '07:02:01, '15:18:01
C*: '07:02:01, '07:04:01
DRB1*: '01:03:01, '13:01:01
DQA1*: '01:01:01, '01:03:01
DQB1*: '05:01:01, '06:03:01
DPB1*: '01:01:01, '04:01:01
E: '01:01, '01:03