

Product sheet

SW620 | 300466

SW620

**Description**

SW620, a cell line derived from a 51-year-old male patient with Duke's-C colon adenocarcinoma, is characterized by its epithelial morphology and growth properties. It is a well-established model for studying colorectal cancer biology and drug response.

**Organism** Human

**Tissue** Colon

**Disease** Adenocarcinoma

**Metastatic site** Liver

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

SW620

**Age** 51 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Growth properties** Adherent

SW620

**Citation** SW-620 (Cytion 300466)

**Biosafety level** 1

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**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_0547

XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXX

**Tumorigenic** Yes, **NCI\_60** **HT29** **HepG2** **HepHep2** **HepHep3** **HepHep4** **HepHep5** **HepHep6** **HepHep7** **HepHep8** **HepHep9** **HepHep10** **HepHep11** **HepHep12** **HepHep13** **HepHep14** **HepHep15** **HepHep16** **HepHep17** **HepHep18** **HepHep19** **HepHep20** **HepHep21** **HepHep22** **HepHep23** **HepHep24** **HepHep25** **HepHep26** **HepHep27** **HepHep28** **HepHep29** **HepHep30** **HepHep31** **HepHep32** **HepHep33** **HepHep34** **HepHep35** **HepHep36** **HepHep37** **HepHep38** **HepHep39** **HepHep40** **HepHep41** **HepHep42** **HepHep43** **HepHep44** **HepHep45** **HepHep46** **HepHep47** **HepHep48** **HepHep49** **HepHep50** **HepHep51** **HepHep52** **HepHep53** **HepHep54** **HepHep55** **HepHep56** **HepHep57** **HepHep58** **HepHep59** **HepHep60** **HepHep61** **HepHep62** **HepHep63** **HepHep64** **HepHep65** **HepHep66** **HepHep67** **HepHep68** **HepHep69** **HepHep70** **HepHep71** **HepHep72** **HepHep73** **HepHep74** **HepHep75** **HepHep76** **HepHep77** **HepHep78** **HepHep79** **HepHep80** **HepHep81** **HepHep82** **HepHep83** **HepHep84** **HepHep85** **HepHep86** **HepHep87** **HepHep88** **HepHep89** **HepHep90** **HepHep91** **HepHep92** **HepHep93** **HepHep94** **HepHep95** **HepHep96** **HepHep97** **HepHep98** **HepHep99** **HepHep100**

**Karyotype** 46, XX, t(12;21)(p13;q22)

XXXXXXXXXX

**Culture Medium** DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM beta-mercaptoethanol (Cytion 820300a)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Subculturing** Seed cells into 25 cm<sup>2</sup> flasks with 10-15 ml of DMEM + 10% FBS. When cells reach 70-80% confluency, trypsinize and seed into fresh flasks.

**Fluid renewal** Change medium every 3-5 days.

**Freeze medium** DMEM + 10% 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 allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 10-15 mL of medium. Incubate at 37°C with 5% CO<sub>2</sub>.
3. Monitor the cells for attachment and growth. Change the medium after 24-48 hours.
4. Once the cells are established, they can be passaged into fresh medium.
5. The cells should reach a density of approximately 1.5 x 10<sup>6</sup> cells per flask.
6. Harvest the cells by trypsinization and centrifugation at 300 x g for 3 minutes.
7. Resuspend the cells in a volume of 10 mL of medium. Seed into a new flask.
8. Repeat the process for subsequent passages.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified air

**Flask Coating** Non-adherent

**Freezing Procedure** Harvest cells and resuspend in freezing medium. Store at -80°C.

**Shipping Conditions** Store at -80°C during shipping.

**Storage Conditions** Store at -150°C for up to 196 weeks.

HLA

**Sterility** The cells are free of mycoplasmas and other contaminants. PCR confirmed.

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**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