

Product sheet

SW620-GFP | 305708

SW620-GFP

Description	SW620-GFP is a cell line derived from a human colorectal adenocarcinoma. It is characterized by its ability to grow in soft agar and its high tumorigenicity in nude mice. The cells are immortalized and express GFP (green fluorescent protein) under the control of the CMV promoter. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin/streptomycin. The cells are typically grown in 96-well plates for high-throughput screening and in 24-well plates for larger scale experiments. The cell line is a valuable tool for studying the biology of colorectal cancer and for testing new drugs and therapies.
Organism	Human
Tissue	Colorectal adenocarcinoma
Disease	Colorectal adenocarcinoma
Metastatic site	Colorectal adenocarcinoma
Synonyms	SW620, SW 620, SW.620

SW620-GFP

Age	51
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

SW620-GFP

Citation	SW620-GFP (Cytion 305708)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_A9MJ

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GMO Status

GMO-S1: ZsGreen1

Protein expression

Antigen expression

ZsGreen1 (

Tumorigenic

not tumorigenic

Mutational profile

p.Gln1338Ter, p.Gly12Val, p.Arg273His,

Culture Medium

Freeze medium

+ 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C.
2. Centrifuge cells at 200 x g for 5 minutes.
3. Resuspend cells in 15 ml of culture medium.
4. Seed cells into a 70% confluent well.
5. Incubate cells for 24 hours.
6. Harvest cells for analysis.
7. Repeat steps 1-6 for each sample.

Incubation Atmosphere

37°C, 5% CO₂

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-150 -196 °C

