

SW620-Luc | 305704

SW620-Luc

Description	SW620-Luc is a luciferase reporter construct that expresses the luciferase gene under the control of the SW620 promoter. It is used for monitoring gene expression in SW620 cells. The construct is a 3.0 kb plasmid vector containing the luciferase gene, the SW620 promoter, and a polyA signal. It is a gift from Dr. [Name] at [Institution].
Organism	Human
Tissue	Colon
Disease	Colorectal cancer
Metastatic site	Colon
Synonyms	SW620, SW 620, SW.620
Age	51 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent
Citation	SW620-Luc (Cytion: 305704)
Biosafety level	1
NCBI_TaxID	9606

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Thawing and
Culturing Cells

1. Remove the vial from liquid nitrogen storage, and immerse it in a water bath at 37°C for 1-2 minutes. Do not shake the vial.
2. Add 1 ml of pre-warmed medium to the vial, and mix gently. Centrifuge at 300 x g for 5 minutes at 4°C. Remove the supernatant, and resuspend the cells in 1 ml of pre-warmed medium.
3. Seed the cells into a 24-well plate (150,000 cells per well) or a 96-well plate (15,000 cells per well). Incubate at 37°C for 24 hours.
4. After 24 hours, check the cell density. If the cells are not adherent, add 1 ml of medium to each well, and incubate for 24 hours.
5. After 48 hours, check the cell density. If the cells are not adherent, add 1 ml of medium to each well, and incubate for 24 hours.
6. After 72 hours, check the cell density. If the cells are not adherent, add 1 ml of medium to each well, and incubate for 24 hours.
7. After 96 hours, check the cell density. If the cells are not adherent, add 1 ml of medium to each well, and incubate for 24 hours.

Incubation
Atmosphere

37°C, 5% CO₂, humidified

Shipping
Conditions

Cells are shipped in a dry ice container, and should be stored at -78°C.

Storage
Conditions

Cells should be stored in liquid nitrogen at -150°C for up to 196 days.

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