

Product sheet

WPMY-1 | 305083

General information

Description	WPMY-1 is a cell line derived from a patient with a primary tumor of the colon. It is a highly proliferative cell line that is suitable for research in the field of colorectal cancer. WPMY-1 is a cell line derived from a patient with a primary tumor of the colon. It is a highly proliferative cell line that is suitable for research in the field of colorectal cancer. WPMY-1 is a cell line derived from a patient with a primary tumor of the colon. It is a highly proliferative cell line that is suitable for research in the field of colorectal cancer.
Organism	Human
Tissue	Colon, Adipose tissue
Synonyms	WPMY1

Characteristics

Age	54 years
Gender	Male
Morphology	Epithelial
Growth properties	Adherent

Identification and safety

Citation	WPMY-1 (ATCC CCL-222) Cytion 305083
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_3814

Receptors and markers

Receptors expressed	HER2, EGFR, VEGFR
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Protein expression KLK3, KLK3-
KLK3, KLK3

Antigen expression KLK3, KLK3 (KLK3, KLK3, PSA), Homo sapiens

Tumorigenic Yes

Media

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 sodium pyruvate (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Seed cells into 25 cm² flasks with 10% FBS medium. After 24-48 hours, when cells reach 70-80% confluency, trypsinize and seed into fresh medium. Passages 3-5 are optimal for protein production.

Fluid renewal 2-3 times per week

Freeze medium 10% FBS + 10% DMSO in DMEM medium

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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. After thawing, centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T25 flask.
2. Incubate the cells at 37°C in 5% CO₂. Monitor the cell density and passage the cells when they reach 70-80% confluency.
3. For long-term storage, harvest the cells and resuspend them in 1 ml of freezing medium. Seed into a 15 ml tube and freeze at -80°C. Store at -150°C for long-term storage.
4. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. After thawing, centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T25 flask.
5. Incubate the cells at 37°C in 5% CO₂. Monitor the cell density and passage the cells when they reach 70-80% confluency.
6. For long-term storage, harvest the cells and resuspend them in 1 ml of freezing medium. Seed into a 15 ml tube and freeze at -80°C. Store at -150°C for long-term storage.
7. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. After thawing, centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T25 flask.
8. Incubate the cells at 37°C in 5% CO₂. Monitor the cell density and passage the cells when they reach 70-80% confluency.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium, 10 minutes

Freezing Procedure Harvest cells and resuspend in freezing medium. Seed into a 15 ml tube and freeze at -80°C. Store at -150°C.

Shipping Conditions -78°C

Storage Conditions -150°C for 196 days

HLA

Sterility PCR confirmed