

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, anchorage-dependent cell line that grows in the presence of insulin, transferrin, and selenium (ITS). The cells are characterized by their ability to form colonies in soft agar and their resistance to anoikis. WPMY-1 cells are highly tumorigenic in nude mice and are used as a model for studying the biology of colorectal cancer. The cell line is maintained in DMEM supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. WPMY-1 cells are highly tumorigenic in nude mice and are used as a model for studying the biology of colorectal cancer. The cell line is maintained in DMEM supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin.
Organism	Human
Tissue	Colon, Adipose
Synonyms	WPMY1

Characteristics

Age	54 years
Gender	Male
Morphology	Epithelial
Growth properties	Highly proliferative, anchorage-dependent

Identification

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

Receptors expressed

Receptors expressed	EGFR, HER2, IGF1R, PDGFR
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Thawing and Culturing Cells

1. Thaw the vial quickly 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. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 ml of pre-warmed medium.
3. Seed the cells into a T25 flask containing 15 ml of pre-warmed medium. The seeding density is approximately 1.5 x 10⁶ cells per flask.
4. Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere. The cells should reach 70% confluency within 24-48 hours.
5. Once the cells are confluent, they can be used for downstream applications or passaged into new flasks.
6. For passaging, trypsinize the cells and seed them into a new T25 flask with 15 ml of pre-warmed medium.
7. The cells should reach 70% confluency again within 24-48 hours.
8. The cells can be cryopreserved for long-term storage.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Not required

Freezing Procedure

Resuspend the cells in 1 ml of freezing medium and transfer to a cryovial. 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 supplied as a suspension in a sterile medium. The medium is PCR free. The cells are free of mycoplasmas and other contaminants.