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Datasheet for WM3618F-01-0001

WM3618F Viable Cells

Overview

Description:	WM3618F Viable Cells - WM3618F-01-0001
Item No.:	WM3618F-01-0001
Size:	1 million cells
Applications:	Cellular Assay, Functional Assay, WB
Origin:	Human

Product Details

Background:	WM3618F is a human metastatic uveal melanoma cell line displaying melanocytic morphology. These cells require 10% FBS to adhere to culture flask. This cell line was established from a lymph node metastases arising from uveal melanoma of a patient. Uveal melanoma is a rare type of cancer of an eye and can arise in the anterior (iris) or the posterior (ciliary body or choroid) uveal tract. Most uveal tract melanomas originate in the choroid. The ciliary body is less commonly a site of origin, and the iris is the least common. WM3618F cells match with WM3772F. These cells produce xenograft tumors when injected into immunocompromised mice.
Synonyms:	Melanoma, patient derived tumor, tumor models, skin cancer, xenograft
Species of Origin:	Human

Target Details

Purity/Specificity:	Cells are sterile, validated by short tandem repeat profiling, and are tested as negative for mycoplasma. It is recommended that cell lines are tested for mycoplasma contamination and short tandem repeat (STR) profiling every 10 passages or each time a frozen seed stock is made. See cell culture protocol for additional details.
Relevant Links:	• WM3618F-01 SDS • Cell Line EULA • Melanoma Cell Culture Protocol

Application Details

Suggested Applications:	Cellular Assay, Functional Assay, WB (Based on references)
Application Note:	The key applications of these cell lines include genetic studies, xenograft production, drug testing, and drug target discovery. These cell line models can be used in various biological assays, and for identifying critical target genes, and cell signaling pathways.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Cell Line Data

Cell Line:	Human Melanoma
Product Type:	Viable Cells
Morphology:	melanocytic
Cell Viability:	Yes
Stage:	PRIMARY, Metastasis OF UVEAL
BRAF:	WT
CDK4:	WT
C-Kit:	WT
N-RAS:	WT
PTEN:	ND
Paired:	Yes
Medium:	Tumor Specialized Media with 10% HI-FBS
Sub-culture:	Cells should be maintained between 30 – 95% confluence in tumor specialized medium with 10% FBS. These cells grow very slow; split cultures 1:3 using 0.25% trypsin/EDTA.
Incubation:	36°C with 5% CO2

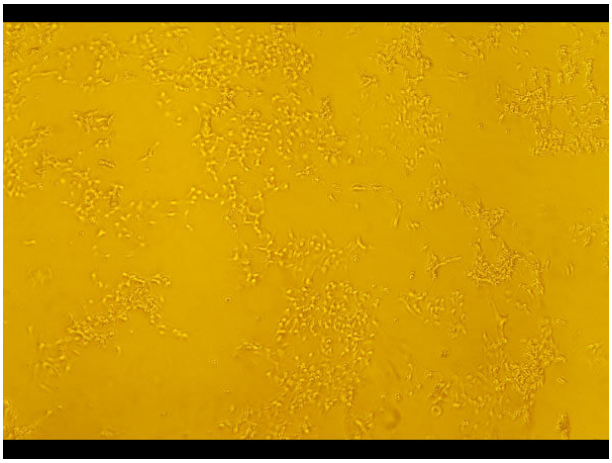
Formulation

Physical State:	Frozen Cell Suspension
Concentration:	1.0 million cells/mL Count By Hemocytometer
Buffer:	None
Preservative:	None
Stabilizer:	None

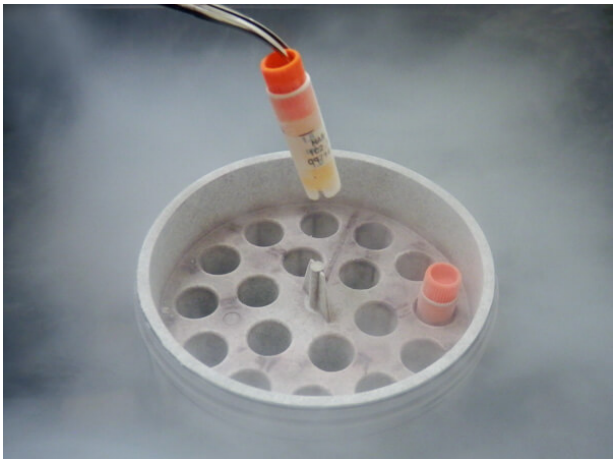
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Cells are frozen with 90% FBS/10% DMSO solution at about 1x10^6 cells/ml. Store vial in liquid nitrogen upon arrival.
Expiration:	Expiration date is two (2) years from date of receipt.

Images



Viable cell growth
Established WM3618F viable cell growth in culture using appropriate Tumor Specialized Media with 10%FBS.



Flask
Human melanoma tumor cells with known gene mutations, disease stage, STR, and RPPA profiling

References

- Chua V et al. Slow proliferation of BAP1-deficient uveal melanoma cells is associated with reduced S6 signaling and resistance to nutrient stress. *Sci Signal.* (2024)
- Teh JL. et. al. Metabolic adaptations to MEK and CDK4/6 co-targeting in uveal melanoma. *Mol Cancer Ther* (2020)

Disclaimer

No test method can provide total assurance that the hepatitis B virus, hepatitis C virus, human immunodeficiency virus, or any other infectious agents are absent. Thus, all blood products, including purified proteins derived from human blood sources, should be handled at Biosafety Level 2 as recommended by the CDC\NIH manual entitled Biosafety in Microbiological and Biomedical Laboratories for potentially infectious human serum, blood specimens or proteins derived from same. Source material for the human blood product supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis by FDA guidelines. All units were found to be non-reactive/negative for these tests. All human blood source material is collected in FDA licensed centers and is tested with FDA approved test kits.

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