

Datasheet for WM3670-03-0005**WM3670 Non-Viable Cell Pellet****Overview**

Description:	WM3670 Non-Viable Cell Pellet - WM3670-03-0005
Item No.:	WM3670-03-0005
Size:	5 million cells
Origin:	Human

Product Details

Background:	Non-viable cell pellet was generated from cell line WM3670. WM3670 is a metastatic human melanoma cell line with epithelial morphology. This cell line features the G469E mutation at codon 469 in the BRAF gene. The G469E mutation results in an amino acid substitution at position 469 in BRAF, from a glycine (G) to a glutamic acid (E). This mutation occurs within the highly conserved GXGXXG motif of the kinase domain. Most mutant BRAF proteins have increased kinase activity and are transforming in vitro. This cell line contains a G12D mutation at position 12 in the N-RAS gene. The G12D mutation results in an amino acid substitution at position 12 in N-RAS, from a glycine (G) to an aspartic acid (D).
Synonyms:	Melanoma, patient derived tumor, tumor models, skin cancer, xenograft
Species of Origin:	Human

Target Details

Purity/Specificity:	Cells were grown sub-confluent to approximately (2x10 ⁶) cells in Tumor specialized media and then trypsinized. Cells were harvested and cell pellets were flash frozen and stored at -80°C.
Relevant Links:	Cell Line EULA

Application Details

Application Note:	Frozen non-viable cell pellets can be used for in vitro experiments such as Western blotting and other immunoassays, genomic DNA isolation, STR profiling, and RNA isolation.
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:	Non-Viable Pellets
Cell Viability:	No
Stage:	Metastasis
BRAF:	G469E
CDK4:	WT
C-Kit:	WT
N-RAS:	G12D
PTEN:	WT
Paired:	No

Formulation

Physical State:	Frozen Cell Pellet
Concentration:	5.0 million cells Count By Hemocytometer
Buffer:	None
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -70° C. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

**Vial**

Human melanoma tumor cell pellets for assessment of proteins and their phosphorylation status

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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