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Datasheet for WM852-03-0005

WM852 Non-Viable Cell Pellet

Overview

Description:	WM852 Non-Viable Cell Pellet - WM852-03-0005
Item No.:	WM852-03-0005
Size:	5 million cells
Origin:	Human

Product Details

Background:	Non-viable cell pellet was generated from cell line WM852. WM852 is a metastaic melanoma cell line with epithelial morphology. This cell line was established from the metastatic site (abdomen) in a 63-year -old male. This cell line contains a Q61R mutation at position 61 in the N-RAS gene. The Q61R is the most common NRAS mutation found in melanoma that is thought to occur due to UV and radiation exposure. This mutation leads to production of a constitutively active N-RAS protein that directs cells to grow and divide constantly. This cell line also expresses PTEN loss of function including hemizygous deletion. This cell line expresses wild type BRAF, c-KIT and CDK4 genes. WM852 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 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:	WT
CDK4:	WT
C-Kit:	WT
N-RAS:	Q61R
PTEN:	Hemizygous Deletion
Paired:	No

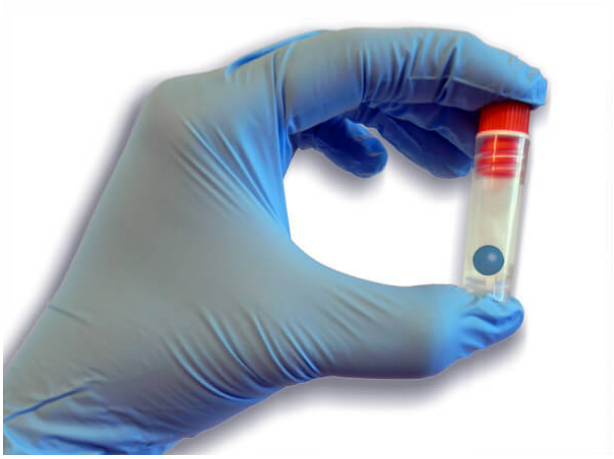
Formulation

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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