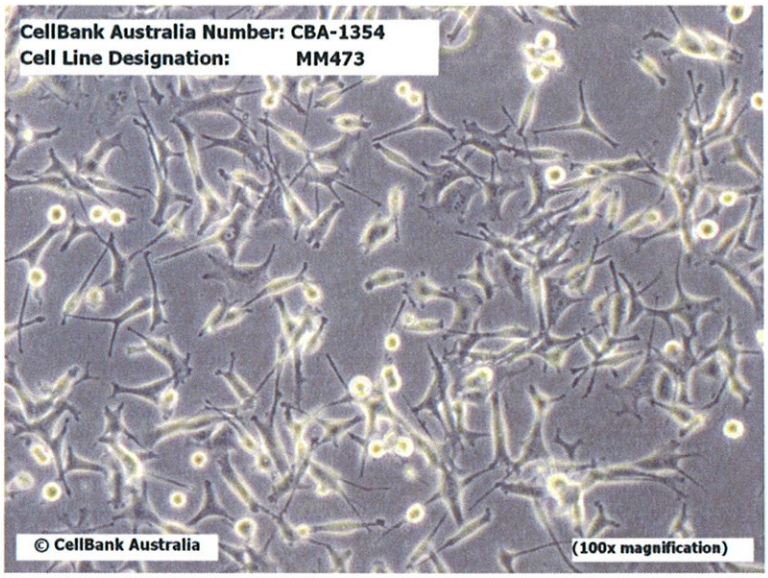
CellBank Australia

Cell Line Information Sheet for MM473

Cell Line Designation	MM473
CellBank Catalogue No.	CBA-1354
Lot Number	13540311S
Passage Number	11
Total Cell Number	4.0 x 10^6 cells
Expected Cell Viability	92.3%
Brief Description	Melanoma, from metastatic site: Lymph node
Organism	Human (*Homo Sapiens*)
Tissue	Skin
Growth Properties	Adherent
Morphology	Epithelial
Image	
Growth medium	RPMI 1640 (with 2mM L-Glutamine+25mM Hepes) +10%FCS
Subcultivation Ratio	Split sub-confluent flasks (70-80% confluent) using 0.05% Trypsin/EDTA at 37°C for 5 minutes. The optimal split ratio is 1:8. Seeding density 0.7x10^4 cells/cm^2

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Establishing and Maintaining your Culture	Maintain the culture at 37°C with 5% CO_2. Medium change twice weekly. Cells may be loosely adherent. Refer to Technical & Customer Service Information pamphlet for further information.
Cryoprotectant Medium	10% DMSO + 90% FCS.
Biosafety Level	Cell line of human origin. Cellbank Australia recommends that cell lines be handled at category PC-2* containment level. *AS/NZS 2243.3:2010
Use Restrictions	These cells are distributed for research purposes only - refer to the Material Transfer Agreement (MTA).
Safety Precaution	Where cell lines are shipped as frozen ampoules there is a small risk that the ampoule may be pressurised, due to the expansion of trapped liquid nitrogen and could explode on warming. It is recommended that persons handling ampoules of frozen cells wear appropriate personal protective equipment including laboratory coat, insulated gloves and a full protective face shield.
Handling Procedure for Frozen Cells	Upon receipt, frozen ampoules should be transferred directly to liquid nitrogen storage without delay, if not to be used immediately. Storage at -80°C may result in loss of viability. Remove protective cryoflex layer around the ampoule prior to thawing. A precentrifugation step to remove the cryoprotectant after thawing is necessary for this cell line.
Additional Information	Mutations: H83Y CDKN2A, V599E BRAF
Depositor	Peter Parsons, Queensland Institute of Medical Research, Australia
Reference	G. Chenevix-Trench, N.G. Martin & K.A.O. Ellem Gene expression in melanoma cell lines and cultured melanocytes: correlation between levels of c-*src*-1, c-*myc* and p53 Oncogene 5:(8)1187-93. 1990 Castellano M et al.CDKN2A/p16 Is Inactivated in Most Melanoma Cell Lines Cancer Research 57: 4868-4875. November 1. 19971 Pavey S et al.Microarray expression profiling in melanoma reveals a BRAF mutation signature Oncogene 23: 4060–4067, 2004 Mitchell Stark and Nicholas Hayward Genome-Wide Loss of Heterozygosity and Copy Number Analysis in Melanoma Using High-Density Single-Nucleotide Polymorphism Arrays Cancer Research 67: (6).2632-2642, 2007

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CellBank Warranty

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Please refer to the MTA for further details regarding the use of this product. The MTA is also available on our Web site at www.cellbankaustralia.com

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