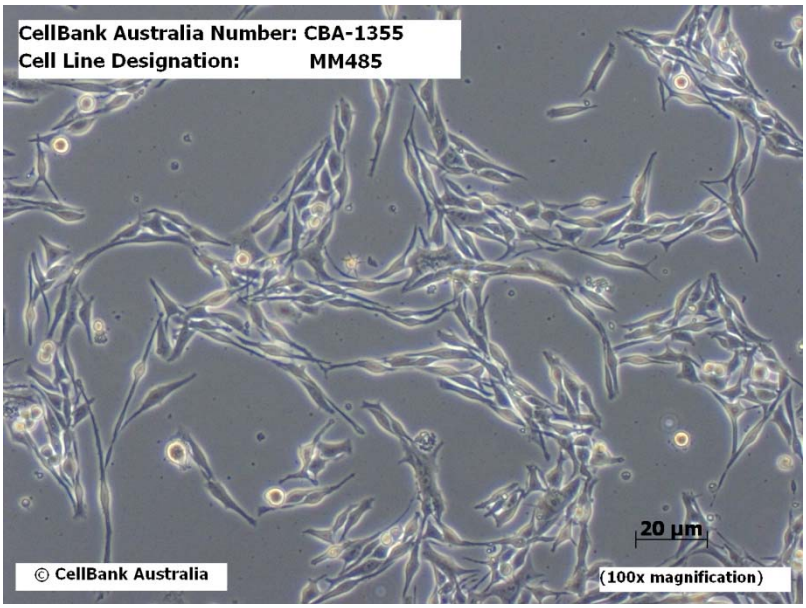
Cell Line Information Sheet for MM485

Cell Line Designation	MM485
CellBank Catalogue No.	CBA-1355
Lot Number	13551010G
Passage Number	+ 9
Total Cell Number	2.5x 10^6 cells
Expected Cell Viability	93% at thaw
Brief Description	Melanoma from metastatic site, Lymph node
Organism	Human (*Homo Sapiens*)
Tissue	Skin
Growth Properties	Adherent
Morphology	Epithelial
Image	
Growth Medium	RPMI1640 (with 2mM L-glutamine +25mM HEPES) +10%FBS
Subcultivation Ratio	Split sub-confluent flasks (70-80%). Optimal split ratio 1:4 using 0.05% Trypsin/EDTA at 37°C for 5 mins. Seeding density 1.2x 10^4 cells/cm^2
Establishing and Maintaining your Culture	Cells incubated at 37°C with 5% CO_2. Please refer to Technical & Customer Service Information pamphlet for further information..
Cryoprotectant Medium	10% DMSO + 90% FCS.

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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.
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
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.
Use Restrictions	These cells are distributed for research purposes only - refer to the Material Transfer Agreement (MTA).
Additional Information	Mutations W110stop CDKN2A Q61R NRAS
Depositor	Peter Parsons-Quensland Institute of Medical Research, Australia
References	Castellano M *et al*.CDKN2A/p16 Is Inactivated in Most Melanoma Cell Lines Cancer Research 57: 4868-4875, 1997 Pavey S *et al*.Microarray expression profiling in melanoma reveals a BRAF mutation signature Oncogene 23: 4060–4067, 2004 Packer L. *et al.* Osteopontin is a downstream effector of the PI3-kinase pathway in melanomas that is inversely correlated with functional PTEN Carcinogenesis 27: (9) 1778-1786, 2006 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
CellBank Warranty	While CellBank Australia uses reasonable efforts to include accurate and up-to date information on this product sheet, CellBank Australia makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. CellBank Australia does not warrant that such information has been confirmed to be accurate.

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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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