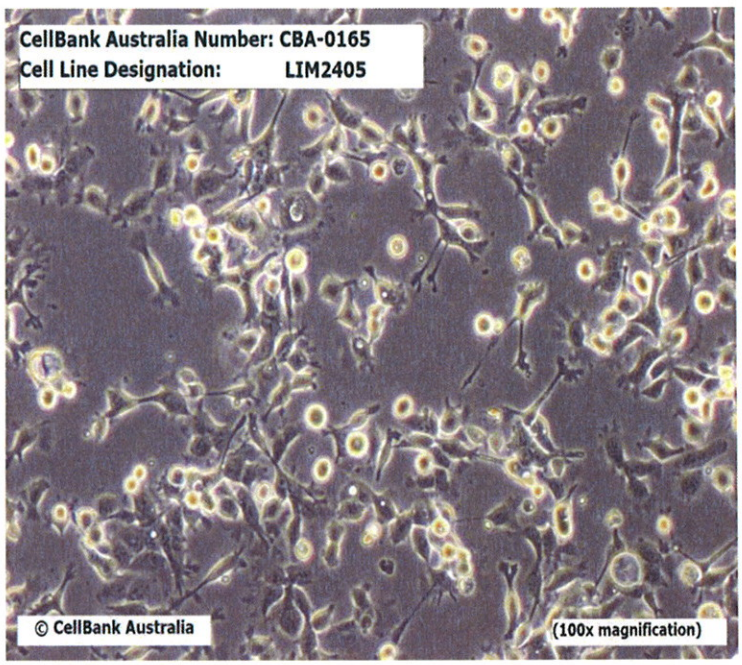
CellBank Australia

Cell Line Information Sheet for LIM2405

Cell Line Designation	LIM2405
CellBank Catalogue No.	CBA-0165
Lot Number	01651111S
Passage Number	25
Total Cell Number	4.0x 10^6 cells
Expected Cell Viability	94%
Brief Description	Adherent cell line derived from adenocarcinoma of the caecum of male patient.
Organism	Human (*Homo Sapiens*)
Tissue	Colon
Growth Properties	Adherent
Morphology	Epithelial
Image	
Growth Medium	RPMI1640 (with 2mM L-Glutamine + 25mMHepes)+10%FCS, Insulin 0.6µg/ml, Hydrocortisone 1µg/ml, 1-Thioglycerol 10µM
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 1:4-1:6 .Seeding density 1.6x10^4 cells/cm^2 Cells may take 2-3 days to seed after thawing or trypsinisation.

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Establishing and Maintaining your Culture	Cells are maintained at 37°C and 5% CO_2. LIM2405 requires growth medium to be changed 3 times each week. Passage every 4-5 days. 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	Cells are adherent, spindly, grow as xenografts, heterozygous APC mutation (stop at aa 2198), B-Raf mutation (V600E), MSI, A33 negative.
Depositor	Professor Tony Burgess Ludwig Institute for Cancer Research, Australia
Reference	Whitehead R.H *et al* .Retention of tissue specific phenotype in a panel of colon carcinoma cell lines: Relationship to clinical correlates. Immunol Cell Biol. 1992; 70: 227-36 Zhang H. *et al*. Selective inhibition of proliferation in colorectal carcinoma cell lines expressing mutant APC or activated B-Raf Int.J.Cancer 2009 July15; 125(2):297-307

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CellBank Warranty

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Disclaimers

This product is sent with the condition that you are responsible for its safe storage, handling, and use. CellBank Australia is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, CellBank Australia is not liable for damages arising from the misidentification or misrepresentation of cultures.

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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