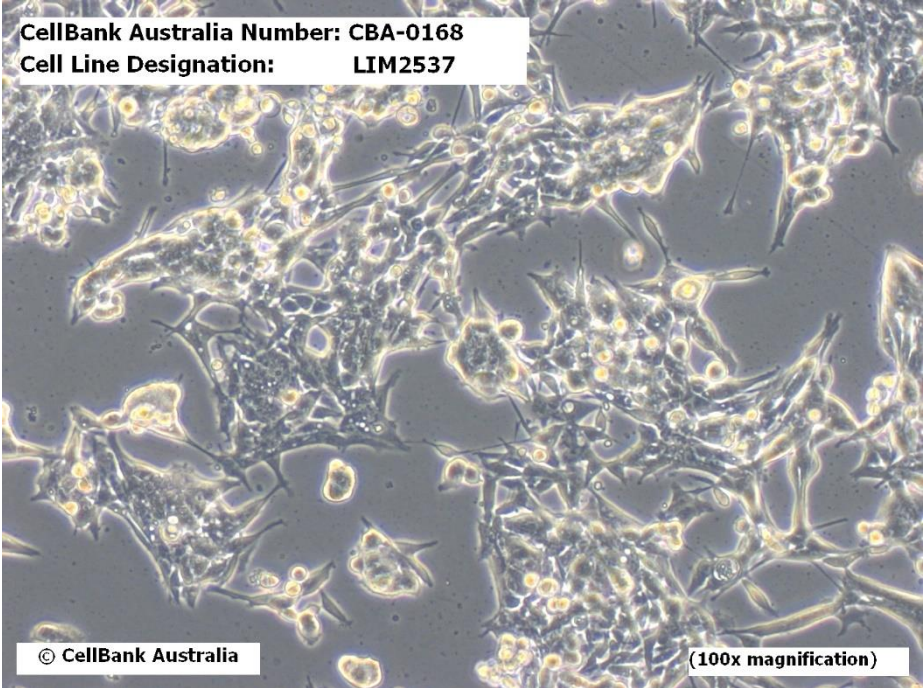


Cell Line Information Sheet – LIM2537

CellBank Catalogue No.:	CBA-0168
Lot Number:	01680311S
Passage Number:	p26
Total Cell Number:	4.4 x 10 ⁶ cells
Expected Cell Viability:	95%
Cell Line Description:	LIM2537 is an adherent cell line derived from a primary colonic carcinoma from a 73-year-old male patient.
Organism:	Human (<i>Homo sapiens</i>)
Tissue:	Carcinoma of the transverse colon
Growth Properties:	Epithelial
Morphology:	Adherent and rounded, cells are small and grow in tight islands.
Doubling Time	30 Hours
Image:	

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Growth Medium:	RPMI 1640 (with 2mM L-Glutamine + 25mM HEPES) + 10% Foetal Calf Serum + Insulin 0.6µg/ml, Hydrocortisone 1µg/ml, 1-Thioglycerol 10µM
Resuscitation	Remove protective cryoflex layer around the ampoule prior to thawing. Thaw the ampoule by gently agitating in a 37°C waterbath; thawing should be rapid (around 2 minutes). A centrifugation step to remove the cryoprotectant after thawing is necessary for this cell line.
Subculturing Procedure:	Medium Renewal: 3 times per week. Subcultivation ratio: 1:8, Seeding density 1-2 x10 ⁴ cells/cm ² Split subconfluent cultures (70%). Harvest the cells using 0.05% Trypsin/EDTA at 37°C for 5 minutes. Culture conditions: Incubate the culture at 37°C with 5% CO ₂ . Cryoprotectant Medium: 10% DMSO + 90% FCS
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
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

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Additional Information:	<p>A33 negative, MSI</p> <p>Truncated APC (heterozygous stop at aa 1472), mutated p53 (aa G245D), mutated B-Raf (aa V600E), mutated PI3K (23 aa deletion in p85α).</p>
Depositor:	<p>Professor Tony Burgess</p> <p>Ludwig Institute for Cancer Research Ltd, Melbourne - Australia</p>
References:	<p>References</p> <p>Philp AJ, Campbell IG, Leet C, Vincan E, Rockman SP, Whitehead RH, Thomas RJ, Phillips WA. The Phosphatidylinositol 3'-kinase p85α Gene Is an Oncogene in Human Ovarian and Colon Tumors Cancer Res. 2001 Oct 15;61(20):7426-9. PubMed 11606375</p> <p>Zhang H.H., Walker F., Kiflemariam S., Whitehead R.H., Williams D., Phillips W.A., Mikeska T., Dobrovic A., Burgess A.W. Selective inhibition of proliferation in colorectal carcinoma cell lines expressing mutant APC or activated B-Raf. Int.J.Cancer 125(2):297-307 PubMed 19378335</p>
Use Restrictions:	<p>These cells are distributed for research purposes only - refer to the Sales Terms and Conditions.</p>
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