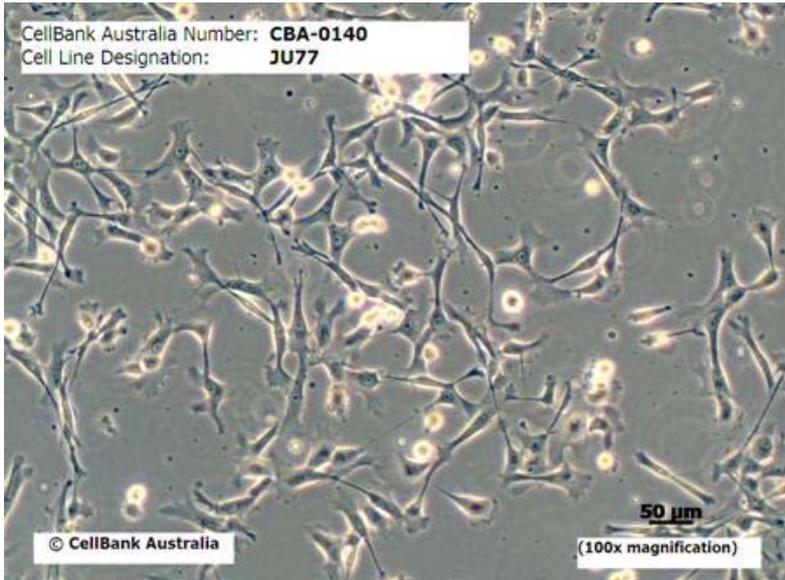


Cell Line Designation	JU77
CellBank Catalogue No.	CBA-0140
Lot Number	01400409G
Total Cell Number	1.96 x 10 ⁶ cells
Expected Cell Viability	95%
Brief Description	Human mesothelioma cell line.
Organism	Human (<i>Homo Sapiens</i>)
Strain	
Tissue	Pleural cells
Growth Properties	Adherent
Morphology	Epithelial-like: cells are spindle-shaped with few vacuoles. Upon confluence develop an epithelioid “cobblestone-like mat”
Image	
Growth Medium	RPMI 1640 (with 2mM L-Glutamine+ 25mM HEPES) + 5% FCS
Subcultivation Ratio	Optimal split ratio 1:8 (seeding density 0.8 x 10 ⁴ cells/cm ²). Harvest the cells using 0.05% Trypsin/EDTA at 37°C for 5 min. PC-2
Biosafety Level	This cell line is sent with the condition that you are responsible for its safe storage, handling and use. CellBank Australia is not liable for damages or injuries resulting from receipt and/or use of a CellBank culture.
Use Restrictions	These cells are distributed for research purposes only - refer to the Material Transfer Agreement (MTA).

<p>Safety Precaution</p>	<p>CellBank Australia highly recommends that protective gloves and clothing always be used and a full-face mask always be worn when handling frozen vials. It is important to note that some vials leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vessel exploding or blowing off its cap with dangerous force creating flying debris.</p>
<p>Handling Procedure for Frozen Cells</p>	<p>To insure the highest level of viability, thaw the vial and initiate the culture as soon as possible upon receipt. Remove protective cryoflex layer prior to thaw. If upon arrival, continued storage of the frozen culture is necessary, it should be stored in liquid nitrogen vapour phase and not at -80°C. Storage at -80°C will result in loss of viability.</p>
<p>Establishing and Maintaining your Culture Cryoprotectant Medium</p>	<p>Cells incubated at 37°C with 5% CO₂. Refer to Technical & Customer Service Information pamphlet. 10% DMSO + 90% FCS</p>
<p>Additional Information</p>	<p>Malignant mesothelial cells were obtained from the pleural effusion fluid of a male with known exposure to crocidolite asbestos. Cultures were established from centrifuged pleural cells after removal of debris and red cells by density gradient centrifugation in Ficoll-Paque. Cells displayed loss of contact inhibition and demonstrated piling and sloughing at confluence. JU77 cells express cytokeratin and epithelial membrane antigen (EMA), but not CEA or mucin. Not tumourgenic in nude mice.</p>
<p>Depositor</p>	<p>Richard Lake - University of Western Australia</p>
<p>References</p>	<p>Manning LS, Whitaker D, Murch AR, Garlepp MJ, Davis MR, Musk AW, Robinson BW (1991) Int J Cancer Jan 21;47(2):285-90</p>
<p>CellBank Warranty</p>	<p>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.</p>
<p>Disclaimers</p>	<p>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.</p> <p>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</p>