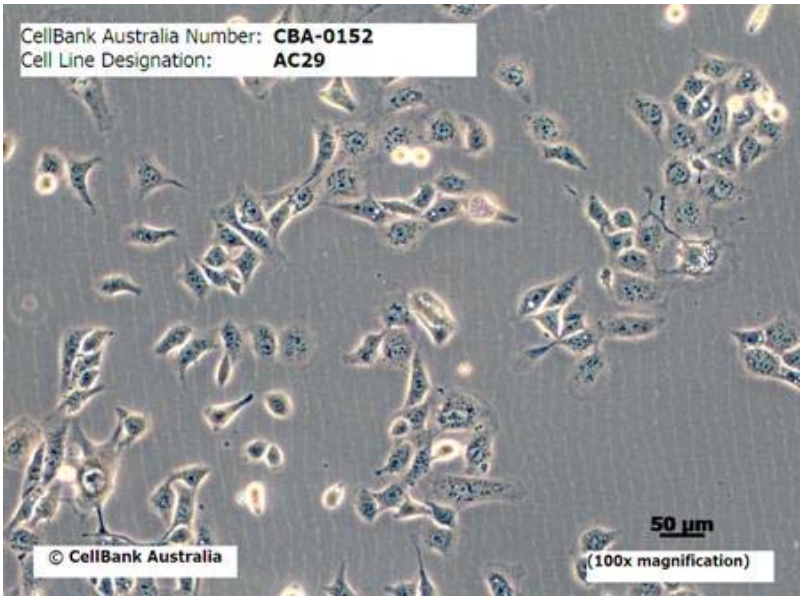
Cell Line Information Sheet for AC29

Cell Line Designation	AC29
CellBank Catalogue No.	CBA-0152
Lot Number	01520409E
Total Cell Number	2.86 x 10^6 cells
Expected Cell Viability	95%
Brief Description	Mouse mesothelioma cell line.
Organism	Mouse (*Mus Musculus*)
Strain	CBA
Tissue	Mesothelium
Growth Properties	Adherent
Morphology	Epithelial-like
Image	
Growth Medium	RPMI1640 (with 2mM L-Glutamine+ 25mM HEPES) + 5% FCS
Subcultivation Ratio	Optimal split ratio 1:8 – 1:16 (seeding density 0.6 x10^4 cells/cm^2). Harvest the cells using 0.05% Trypsin/EDTA at 37°C for 5 min.
Biosafety Level	PC-2 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).

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Safety Precaution	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.
Handling Procedure for Frozen Cells	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.
Establishing and Maintaining your Culture	Cells incubated at 37°C with 5% CO_2. Refer to Technical & Customer Service Information pamphlet.
Cryoprotectant Medium	10% DMSO + 90% FCS
Additional Information	Mice (female, 6-8 weeks old) were exposed to crocidolite asbestos through intraperitoneal injection, resulting in tumour development. Malignant mesothelial cells were obtained from ascites fluid and cultured successfully for at least 7 months and 32 passages. Cells are tumourigenic in syngeneic immunocompetent mice. CBA cells did not adapt as well to in vitro conditions, with a lower proportion of cell lines relative to BALB/c cells. AC29 cells express WT1 and have been used in the study of Wilms' tumour.
Depositor	Richard Lake - University of Western Australia
References	Davis MR, Manning LS, Whitaker D, Garlepp MJ, Robinson BW (1992) Establishment of a murine model of malignant mesothelioma. Int J Cancer 52: 881-886.
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.
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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