



<b>Cell line:</b>	<b>A-549</b>
DSMZ no.:	<b>ACC 107</b>
Species:	human ( <i>Homo sapiens</i> )
Cell type:	lung carcinoma
Origin:	established from an explanted lung tumor which was removed from a 58-year-old Caucasian man in 1972; cells were described to induce tumors in athymic mice and to synthesize lecithin
Reference(s):	<a href="#">14556</a> , <a href="#">14717</a>
Depositor:	Dr. J. Wehland, GBF, Braunschweig, Germany
Biosafety level:	1
Permissions and restrictions:	A
<b>DSMZ Cell Culture Data:</b>	
Morphology:	epithelial cells, growing adherently as monolayer; <a href="#">image</a> ; <a href="#">image</a>
Medium:	90% Dulbecco's MEM + 10% h.i. FBS
Subculture:	split confluent cultures 1:5 to 1:10 every 4-7 days using trypsin/EDTA; cells grow easily; seed out at ca. $1\text{-}2 \times 10^6$ cells/80 cm <sup>2</sup> + 10 ml medium
Incubation:	at 37 °C with 5% CO <sub>2</sub>
Doubling time:	ca. 40 hours
Harvest:	about $20 \times 10^6$ cells/175 cm <sup>2</sup>
Storage:	frozen with 70% medium, 20% FBS, 10% DMSO at about $1 \times 10^6$ cells/ampoule
<b>DSMZ Scientific Data:</b>	
Mycoplasma:	negative in DAPI, microbiological culture, RNA hybridization, PCR assays
Immunology:	cytokeratin +, cytokeratin-7 +, cytokeratin-8 +, cytokeratin-17 -, cytokeratin-18 +, cytokeratin-19 +, desmin -, endothel -, EpCAM -, GFAP -, neurofilament -, vimentin +
Fingerprint:	multiplex PCR of minisatellite markers revealed a unique DNA profile
Species:	confirmed as human with IEF of MDH, NP
Cytogenetics:	human hypotriploid karyotype with 8% polyploidy - 65(59-66)<3n>XXY, -1, -3, -6, +12, -13, -15, -18, -19, -21, -22, +4mar, der(6)t(1;6)(q11;q27), del(11)(q22-23) - presence of large distinctive der(6) marker confirms identity of this cell line
Viruses:	ELISA: reverse transcriptase negative; PCR: EBV -, HBV -, HCV -, HHV-8 -, HIV -, HTLV-I/II -, SMRV -

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Supplied as:	Delivery form	Prices
	Growing culture (please inquire for exact delivery time)	660,- €
	Frozen culture	330,- €
	DNA isolated from cell line (25 µg)	440,- €
	Cell pellet (10-20 x 10 <sup>6</sup> cells)	550,- €
	DNA isolated from cell line (5 µg)	100,- €

[see price list](#)

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[Print data sheet](#)