



Cell line:	HCC-44
DSMZ no.:	ACC 534
Species:	human (<i>Homo sapiens</i>)
Cell type:	non-small cell lung carcinoma
Origin:	established from the lung of a 54-year-old woman with non-small cell lung cancer of the adenocarcinoma type
Reference(s):	<u>15046</u> , <u>14821</u>
Biosafety level:	1
Permissions and restrictions:	<u>A</u>
DSMZ Cell Culture Data:	
Morphology:	adherent epitheloid cells growing as monolayer
Medium:	90% RPMI 1640 + 10% h.i. FBS
Subculture:	split confluent culture 1:3 to 1:5 twice a week using trypsin/EDTA; seed out at ca. $1\text{-}2 \times 10^6$ cells/80 cm ² flask; maximal density of ca. 8×10^6 cells/175 cm ²
Incubation:	at 37 °C with 5% CO ₂
Doubling time:	ca. 30 hours
Harvest:	cell harvest of ca. 6×10^6 cells/175 cm ²
Storage:	frozen with 70% medium, 20% FBS, 10% DMSO
DSMZ Scientific Data:	
Mycoplasma:	contamination was eliminated with sparfloxacin, then negative in microbiological culture and 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 by cytogenetics
Cytogenetics:	human flat-moded hyperpentaploid karyotype with 8% polyploidy - 120-124<5n>XX, +1, +1, +3, +3, -4, -4, -5, +7, +7, +7, -9, -9, -10, +11, -18, -21, -21, +22, +22, +22, +7-14mar, der(1)t(X;1)(q11;p11)x2, del(1)(q21)x2, i(1q), t(1;3)(p11;q11), add(2)(q?11), del(2)(p11), add(3)(q28), add(3)(p11), i(5p), add(8)(p2?), add(8)(q2?), add(8)(q24), der(9;19)(q10;q10)x2, add(10)(q2?5), add(11)

(p13), der(11)add(11)(p1?1)add(11)(q25), add(12)(p13), add(16)(p11), add(17)(p1?2), add(18)(p11), del(20)(q12)x1-2, add(20)(q13)x2 - 2-6 dmin present in 80% cells

Viruses: PCR: EBV -, HBV -, HCV -, HIV -, HTLV-I/II -, MLV -, SMRV -

Supplied as:	Delivery form	Prices
	Frozen culture	360,- €
	Growing culture (please inquire for exact delivery time)	720,- €
	DNA isolated from cell line (25 µg)	440,- €
	DNA isolated from cell line (5 µg)	100,- €

[see price list](#)

[Print data sheet](#)
