



Cell line:	293T
DSMZ no.:	ACC 635
Species:	human (<i>Homo sapiens</i>)
Cell type:	embryonal kidney
Origin:	highly transfectable derivative of the human primary embryonal kidney cell line 293 (ACC 305) carrying a plasmid containing the temperature sensitive mutant of SV-40 large T-antigen (tsA1609neo); cells originally referred to as 293tsA1609neo; cells were described to be Genitacin (Neomycin, G418) resistant and to express SV-40 large T at 33°C, but not at 40°C; classified as risk group 1 according to the German Central Commission for Biological Safety (ZKBS)
Reference(s):	14893 , 14495 , 14839
Depositor:	Dr. S. Nagel, DSMZ, Braunschweig, Germany
Biosafety level:	1, GMO-S1
Risk assessment:	The cell line was established by transfection of the cells with sheared DNA of adenovirus type 5. The cells contain 4 to 5 copies of the left end of the virus (12% of the viral genome) including E1a and E1b genes and one copy of the right end of the virus (10% of the genome) including the E4 gene. No active viruses are produced.
Permissions and restrictions:	A , D
DSMZ Cell Culture Data:	
Morphology:	fibroblastoid cells growing adherently as monolayer
Medium:	90% Dulbecco´s MEM + 10% h.i. FBS
Subculture:	seed out at ca. 2-3 x 10 ⁶ cells/80 cm ² ; split confluent culture 1:4 - 1:5 every 2-3 days (without using trypsin/EDTA, cells can be detached by tapping the flask)
Incubation:	at 37 °C with 5% CO ₂
Doubling time:	ca. 24-30 hours
Harvest:	cell harvest of ca. 40 x 10 ⁶ cells/175 cm ²
Storage:	frozen with 70% medium, 20% FBS, 10% DMSO at about 3 x 10 ⁶ cells/ampoule
DSMZ Scientific Data:	
Mycoplasma:	negative in microbiological culture, PCR assays
Immunology:	cytokeratin -, cytokeratin-7 -, cytokeratin-8 -, cytokeratin-17 -, cytokeratin-18 -, cytokeratin-19 -, desmin -, endothel -, EpCAM -, GFAP -, neurofilament -, vimentin +

Fingerprint:	same DNA profile as 293 (ACC 305) by fluorescent nonaplex PCR of short tandem repeat markers	
Species:	confirmed as human by species PCR	
Cytogenetics:	human flat-moded near-triploid karyotype; 61-73<3n>XXX, add(1)(p32), add(1)(q44)x1-2, der(4;10)(q10;q10), del(8)(p12), t(9;9)(p24;q21), der(13)t(6;13)(q21;q32), der(14)t(13;14)(q32;q32), del(17)(p11), der(22)t(17;22)(q21;q22)	
Molec. Genetics:	presence of large T-antigene (SV40) was confirmed by genomic PCR	
Viruses:	PCR: EBV -, HBV -, HCV -, HIV -, HTLV-I/II -, SMRV -	
Supplied as:	<u>Delivery form</u>	<u>Prices</u>
	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 ⁶ cells)	550,- €
	DNA isolated from cell line (5 µg)	100,- €
	<u>see price list</u>	

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