



Cell line:	COS-7
DSMZ no.:	ACC 60
Species:	monkey - African green monkey (<i>Chlorocebus aethiops</i> (<i>Cercopithecus aethiops</i>))
Cell type:	kidney
Origin:	derived from CV-1, a simian cell line (<i>Cercopithecus aethiops</i>), by transformation with an origin-defective mutant of SV-40; cells were described to support the growth of SV-40 viruses; classified as risk category 1 according to the German Central Commission for Biological Safety (ZKBS)
Reference(s):	14568
Biosafety level:	1, GMO-S1
Risk assessment:	The cell line was established by transfection with a mutated simian virus 40 (SV40) exhibiting a 6 bp deletion in the replication origin. This renders the virus incompetent for replication and the cell line can thus be handled under biosafety level 1.
Permissions and restrictions:	A, D, E
DSMZ Cell Culture Data:	
Morphology:	fibroblast-like cells growing as monolayers
Medium:	90% Dulbecco's MEM + 10% h.i. FBS
Subculture:	split confluent culture 1:3 to 1:5 every 2-3 days using trypsin/EDTA; seed out at ca. 1×10^6 cells/80 cm ²
Incubation:	at 37 °C with 5% CO ₂
Doubling time:	ca. 35-48 hours
Harvest:	about $2-3 \times 10^6$ cells/80 cm ² ; saturation density at about 5×10^6 cells/80 cm ²
Storage:	frozen with 70% medium, 20% FBS, 10% DMSO
DSMZ Scientific Data:	
Mycoplasma:	negative in DAPI, microbiological culture, RNA hybridization, PCR assays
Species:	confirmed as of primate origin with IEF of LDH, MPI, NP, PEP B and by species PCR
Cytogenetics:	simian hypodiploid karyotype with 25% polyploidy - 57(53-58)<2n>
Viruses:	ELISA: reverse transcriptase negative; PCR: EBV -, HBV -, HCV -, HIV -,

HTLV-III -, 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
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[Print data sheet](#)
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