

General information:

Cell line:	COLO-206F
Cobioer No.:	CBP60008
Species:	human (Homo sapiens)
Cell type:	colon carcinoma
Origin:	established from the ascites fluid of a 71-year-old man with colon carcinoma in 1975; The cell line was established from the same patient as the cell lines COLO 201 and COLO 205
Reference(s):	16914
Biosafety level:	1
Permissions and restrictions:	A

Cell Culture Data:

Morphology:	mostly round cells; about 80% are adherent cells; about 2-8% spindle-shaped cells; some giant cells
Medium:	90% RPMI 1640 + 10% h.i. FBS
Subculture:	split confluent cultures about 1:6 once a week using trypsin/EDTA; seed out at ca. 3×10^6 cells/80 cm ²
Incubation:	at 37 °C with 5% CO ₂
Doubling time:	ca. 2-3 days
Harvest:	about $7-10 \times 10^6$ cells/80 cm ²
Storage:	frozen with 70% medium, 20% FBS, 10% DMSO at about 3×10^6 cells/ampoule

Scientific Data:

Mycoplasma:	negative in DAPI, microbiological culture, RNA hybridization, PCR assays
Immunology:	cytokeratin +, cytokeratin-7 -, cytokeratin-8 +, cytokeratin-17 -, cytokeratin-18 +, desmin -, endothel -, EpCAM +, GFAP -, neurofilament -, vimentin -
Fingerprint:	multiplex PCR of minisatellite markers revealed a unique DNA profile
Species:	confirmed as human with IEF of AST, MDH
Cytogenetics:	human hyperdiploid karyotype with 10% polyploidy - 72(66-77)<2n>XX, -Y, +1, +3, +3, +5, -6, +7, -8, +9, -10, -13, -18, +20, -21, +3mar, i(1q), der(1)t(1;18)(q11;p11), der(3) t(3;?)(p21;?)x2, del(10)(q23.3), der(12)t(3;12)(q11;p13) - a small supernumerary centric fragment or ring present in 18% of cells
Viruses:	ELISA: reverse transcriptase negative; PCR: EBV -, HBV -, HCV -, HHV-8 -, HIV -, HTLV-I/II -, SMRV -

科佰生物 COBIOER