



Cell line:	HEP-G2												
DSMZ no.:	ACC 180												
Species:	human (<i>Homo sapiens</i>)												
Cell type:	hepatocellular carcinoma												
Origin:	established from the tumor tissue of a 15-year-old Argentine boy with hepatocellular carcinoma in 1975; cell line is patented; cells were described to not harbor a hepatitis B virus genome; cells reportedly produce a variety of proteins: alpha-fetoprotein, albumin, alpha2-macroglobulin, alpha1-antitrypsin, transferrin, alpha1-antichymotrypsin, haptoglobin, ceruloplasmin, plasminogen, complement (C3, C4), C3 activator, fibrinogen, alpha1-acid glycoprotein, alpha2-HS glycoprotein, beta-lipoprotein, retinol binding protein												
Reference(s):	14673 , 14347												
Depositor:	obtained from ATCC (HB 8065), Rockville, Maryland, USA												
Biosafety level:	1												
Permissions and restrictions:	A												
DSMZ Cell Culture Data:													
Morphology:	adherent, epithelial-like cells growing as monolayers and in small aggregates												
Medium:	90% RPMI 1640 + 10% h.i. FBS												
Subculture:	split confluent culture 1:2 to 1:4 every 3-6 days using trypsin/EDTA; seed out at ca. 2-3 x 10 ⁶ cells/80 cm ² ; after thawing, initially to be cultured with 20% FBS												
Incubation:	at 37 °C with 5% CO ₂												
Doubling time:	ca. 50-60 hours												
Harvest:	cell harvest of about 20 x 10 ⁶ cells/175 cm ²												
Storage:	frozen with 70% medium, 20% FBS, 10% DMSO at about 2 x 10 ⁶ cells/ampoule												
DSMZ Scientific Data:													
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 AST, MDH												
Cytogenetics:	human hyperdiploid karyotype - 52(47-54)<2n>XY, +2, +14, +17, +20, +2mar, t(1:21) (p22.2;p11-12), i(17q)/der(17)t(17:17)(p11;q11)												
Viruses:	ELISA: reverse transcriptase negative; PCR: EBV -, HBV -, HCV -, HHV-8 -, HIV -, HTLV-I/II -, SMRV -												
Supplied as:	<table border="1"> <thead> <tr> <th>Delivery form</th> <th>Prices</th> </tr> </thead> <tbody> <tr> <td>Growing culture (please inquire for exact delivery time)</td> <td>660,- €</td> </tr> <tr> <td>Frozen culture</td> <td>330,- €</td> </tr> <tr> <td>DNA isolated from cell line (25 µg)</td> <td>440,- €</td> </tr> <tr> <td>Cell pellet (10-20 x 10⁶ cells)</td> <td>550,- €</td> </tr> <tr> <td>DNA isolated from cell line (5 µg)</td> <td>100,- €</td> </tr> </tbody> </table>	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 ⁶ cells)	550,- €	DNA isolated from cell line (5 µg)	100,- €
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