



Cell line:	U-937
DSMZ no.:	ACC 5
Species:	human (<i>Homo sapiens</i>)
Cell type:	histiocytic lymphoma
Origin:	established from the pleural effusion of a 37-year-old man with generalized diffuse histiocytic lymphoma in 1974; cells were described to express markers and properties of monocytes; patented cell line
Reference(s):	14995
Depositor:	Dr. K. Nilsson, University Hospital, Uppsala, Sweden
Biosafety level:	1
Permissions and restrictions:	A
DSMZ Cell Culture Data:	
Morphology:	round to polygonal, single cells in suspension; image
Medium:	90% RPMI 1640 + 10% h.i. FBS
Subculture:	maintain at $0.1-1.0 \times 10^6$ cells/ml; split 1:2 to 1:5 every 2-3 days; seed out at ca. 1×10^6 cells/ml
Incubation:	at 37 °C with 5% CO ₂
Doubling time:	about 30-40 hours
Harvest:	saturation density at about 2.0×10^6 cells/ml
Storage:	frozen with 70% medium, 20% FBS, 10% DMSO at about 6×10^6 cells/ampoule
DSMZ Scientific Data:	
Mycoplasma:	negative in DAPI, microbiological culture, PCR assays
Immunology:	CD3 -, CD4 +, CD14 -, CD15 +, CD19 -, CD33 +, CD34 -, CD54 +; image
Fingerprint:	multiplex PCR of minisatellite markers revealed a unique DNA profile
Species:	confirmed as human with IEF of AST, MDH, NP
Cytogenetics:	human flat-moded hypotriploid karyotype - 63(58-69)<3n>XXY, -2, -4, -6, +7, -9, -20, -21, +3mar, t(1;12)(q21;p13), der(5)t(1;5)(p22;q35), add(9)(p22), t(10;11)(p14;q23), i(11q), i(12p), add(16)(q22), add(19)(q13) - carries t(10;11) (seen in AML M5) - t(1;5) resembles variant of t(2;5) (histiocytic lymphoma)
Viruses:	ELISA: reverse transcriptase negative; PCR: EBV -, HBV -, HCV -, HHV-8 -, HIV -, HTLV-I/II -, SMRV -

Supplied as:	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,- €

[see price list](#)

[Print data sheet](#)