

Cat.No.

CSC-C0233

Product Name

L-540

Description

Established from the bone marrow of a 20-year-old woman with Hodgkin lymphoma (nodular sclerosis; stage IVB, pre-terminal stage).

cell type: Hodgkin lymphoma

Recommended Medium

80% RPMI-1640 + 20% h.i. FBS

Morphology

round to polymorph cells growing singly in suspension, heterogeneity in cell size

Instruction for Culturing

Subculture: split saturated culture 1:2 every 3 days, exchange spent medium every 1-2 days; seed out at ca. 0.5×10^6 cells/ml; after thawing culture first in 24-well-plates; cells do not grow during the first 2-3 days after thawing and viability may drop to 50-60%

Incubation: at 37 °C with 5% CO₂

Doubling time: ca. 70 hours

Harvest: saturation density at about 1.5×10^6 cells/ml

Storage: frozen with 70% medium, 20% FBS, 10% DMSO

Quality Control

Mycoplasma: contamination was eliminated with BM-Cyclin (tiamulin & minocycline), then negative in DAPI, microbiological culture, RNA hybridization, PCR assays

Immunology: CD2 +, CD3 -, CD13 -, CD14 -, CD15 +, CD19 -, CD21 -, CD25 +, CD30 +, CD34 -

Fingerprint: multiplex PCR of minisatellite markers revealed a unique DNA profile

Species: confirmed as human with IEF of AST, LDH

Cytogenetics: human flat-moded hypotriploid karyotype with 16% polyploidy - 59-64<3n>XX, -X, -1, +2, -6, +7, -8, -9, -10, -11, -13, -14, -16, -17, -18, +22, +5-6mar, der(1;5)(q10;p10)x1-2, der(2;12)(q10;q10), der(2)t(2;?8)(q3?7;q2?1)x1-2,

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ins(5;?)(p11;?), add(7)(p1?), add(8)(q24)x1-2, add(9)(p1?), add(11)(q24), der(15)t(1;15)(p21;p13)x2, add(19)(p11), add(21)(p13)

Molec. Genetics: expression of fusion gene TNK1-C17orf61 confirmed by RT-PCR

Viruses: ELISA: reverse transcriptase negative; PCR: EBV -, HBV -, HCV -, HHV-8 -, HIV-1 -, HIV-2 -, HTLV-I/II -, MLV -, SMRV -

Storage

Directly and immediately transfer cells from dry ice to liquid nitrogen upon receiving and keep the cells in liquid nitrogen until cell culture needed for experiments.

Note: Never can cells be kept at -20 °C.

Shipping

Dry Ice.

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