Cell line: DK-MG

DSMZ no.:A07X1788

Species: human (Homo sapiens)

Cell type: glioblastoma

Origin: established from the glioblastoma multiforme (right parietal, at diagnosis) of a 67-year-old woman in 1991

Reference(s): 14689

Biosafety level: 1

Permissions and restrictions: A

DSMZ Cell Culture Data:

Morphology: spindle, fibroblast-like cells growing mostly adherent as monolayer; image; image

Medium: 80-90% RPMI 1640 + 10-20% h.i. FBS + 2 mM L-glutamine

Subculture: seed out at ca. 1.0 x 106 cells/80 cm2; split nearly confluent culture ca. 1:5 once a week days using trypsin/EDTA

Incubation: at 37 °C with 5% CO2

Doubling time: ca. 70-80 hours

Harvest: cell harvest of ca. 4-5 x 106 cells/80 cm2

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

DSMZ Scientific Data:

Mycoplasma: negative in DAPI, microbiological culture, RNA hybridization, PCR assays

Immunology: To inquire about expression of EpCAM and intermediate filaments, contact ulfert.rand@dsmz.de.

Authenticity:	STR analysis according to the global standard ANSI/ATCC ASN-0002.1-2021 (2021) resulted in an authentic STR profile of the reference STR database.
Cytogenetics:	human hypodiploid karyotype with 12% polyploidy - 44(42-44)<2n>XX, +7, -9, -10, -12, -14, +mar, del(6)(q13q25), add(9)(p2?2), der(15)t(14;15)(q12;p11), del(16)(p13), del(17)(q25), add(19)(q1?3), variable numbers of dmin detectible in most cells - resembles published karyotype