

Resource Summary Report

Generated by [NIF](#) on Aug 29, 2026

D-54MG

RRID:CVCL_5735

Type: Cell Line

Proper Citation

RRID:CVCL_5735

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_5735

Proper Citation: RRID:CVCL_5735

Description: Cell line D-54MG is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Glioblastoma

Defining Citation: [PMID:3178168](#), [PMID:3675803](#), [PMID:6260907](#), [PMID:9090379](#), [PMID:9220028](#), [PMID:10402232](#)

Comments: Miscellaneous: STR profile from personal communication of Bigner, Darell Doty., Population: Caucasian., Part of: ENCODE project common cell types; tier 3., Problematic cell line: Contaminated. Shown to be a A-172 derivative (ICLAC; personal communication of Bigner, Darell Doty). Originally thought to originate from a 39 year old female patient with a glioblastoma..

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: D-54MG

Synonyms: D-54 MG, D54-MG, D54MG, D54Mg, D54, H54

Cross References: BTO:BTO_0005364, EFO:EFO_0002782, BioSample:SAMN06481110, ChEMBL-Cells:ChEMBL3308484, ChEMBL-Targets:ChEMBL612247, Cosmic:970092, Cosmic:1672410, ENCODE:ENCBS173AAA, GEO:GSM816668, GEO:GSM881397, GEO:GSM881398, IARC_TP53:23935, Lonza:684, PubChem_Cell_line:CVCL_7185, TOKU-E:3722, Wikidata:Q54817140

ID: CVCL_5735

Hierarchy: cvcl_0131

Record Creation Time: 20220427T215608+0000

Record Last Update: 20260815T232258+0000

Ratings and Alerts

No rating or validation information has been found for D-54MG.

Warning: Problematic cell line: Contaminated. Shown to be a A-172 derivative (ICLAC, from personal communication of Bigner D.D.). Originally thought to originate from a 39 year old female patient with a glioblastoma.

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00505.

Miscellaneous: STR profile from personal communication of Bigner, Darell Doty., Population: Caucasian., Part of: ENCODE project common cell types; tier 3., Problematic cell line: Contaminated. Shown to be a A-172 derivative (ICLAC; personal communication of Bigner, Darell Doty). Originally thought to originate from a 39 year old female patient with a glioblastoma..

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Lobb RJ, et al. (2026) Early-stage multi-cancer detection through a plasma extracellular vesicle protein signature. Cell reports. Medicine, 7(4), 102694.

Lepe JJ, et al. (2026) MAGMAS Inhibition Enhances Temozolomide Efficacy in Chemotherapy-Resistant Glioblastoma Models. Cancer research communications, 6(6), 1351.

Jiang AYL, et al. (2026) Glioma chemotherapeutic resistance is tied to membrane electrophysiological properties and glycosylation. Bioengineering & translational medicine, 11(1), e70069.