

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

NCI-N417

RRID:CVCL_1602

Type: Cell Line

Proper Citation

RRID:CVCL_1602

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1602

Proper Citation: RRID:CVCL_1602

Description: Cell line NCI-N417 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Lung small cell carcinoma

Defining Citation: [PMID:1320893](#), [PMID:1563005](#), [PMID:1565469](#), [PMID:1845952](#), [PMID:2473086](#), [PMID:2540905](#), [PMID:2574988](#), [PMID:2985257](#), [PMID:2985258](#), [PMID:3034934](#), [PMID:6148444](#), [PMID:6270685](#), [PMID:6713399](#), [PMID:7972006](#), [PMID:8626706](#), [PMID:8806092](#), [PMID:8806103](#), [PMID:9744504](#), [PMID:10037197](#), [PMID:10536175](#), [PMID:11005564](#), [PMID:11030152](#), [PMID:11414198](#), [PMID:12712436](#), [PMID:19394761](#), [PMID:19472407](#), [PMID:20164919](#), [PMID:20557307](#), [PMID:21750403](#), [PMID:22313637](#), [PMID:23716474](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25960936](#), [PMID:26589293](#), [PMID:31803961](#)

Comments: Virology: Contains an integrated xenotropic MuLV-related virus (XMRV) Bxv-1 (PubMed=21750403)., Characteristics: Established from a nude mouse xenograft.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: NCI-N417

Synonyms: NCI-N-417, NCI N417, N-417, N417, NCIN417, NCI417N, NCI-H417, H-417, H417, NCI-N417D, N417D, N417d

Cross References: BTO:BTO_0003028, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ATCC:CRL-5809, BioSample:SAMN03471029, cancercellines:CVCL_1602,

ChEMBL-Cells:CHEMBL3307265, ChEMBL-Targets:CHEMBL613287, ChEMBL-Targets:CHEMBL613517, Cosmic:688033, Cosmic:801612, Cosmic:844553, Cosmic:844812, Cosmic:876161, Cosmic:918016, Cosmic:929977, Cosmic:934543, Cosmic:1006528, Cosmic:1021862, Cosmic:1212191, Cosmic:1219095, Cosmic:1239933, Cosmic:1571754, Cosmic:1656909, Cosmic:2125205, Cosmic:2648016, Cosmic:2668270, Cosmic:2668343, EGA:EGAS00001000610, GEO:GSM784263, GEO:GSM844663, GEO:GSM845555, GEO:GSM986187, IARC_TP53:1407, KCLB:90417, PharmacDB:NCIN417_1150_2019, Progenetix:CVCL_1602, PubChem_Cell_line:CVCL_1602, Wikidata:Q54908212

ID: CVCL_1602

Hierarchy: cvcl_a788

Record Creation Time: 20220427T220841+0000

Record Last Update: 20260905T181248+0000

Ratings and Alerts

No rating or validation information has been found for NCI-N417.

Warning: Discontinued: ATCC; CRL-5809

Virology: Contains an integrated xenotropic MuLV-related virus (XMRV) Bxv-1 (PubMed=21750403)., Characteristics: Established from a nude mouse xenograft.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Balke-Want H, et al. (2026) c-JUN enhances CRISPR knockin anti-B7-H3 CAR T cell function in small cell lung cancer and thoracic SMARCA4-deficient undifferentiated tumors. Cell reports. Medicine, 7(1), 102549.

Yoon SJ, et al. (2023) Comprehensive Metabolic Tracing Reveals the Origin and Catabolism of Cysteine in Mammalian Tissues and Tumors. Cancer research, 83(9), 1426.

Park JA, et al. (2021) Modulating tumor infiltrating myeloid cells to enhance bispecific antibody-driven T cell infiltration and anti-tumor response. Journal of hematology & oncology, 14(1), 142.

Pearson JD, et al. (2021) Binary pan-cancer classes with distinct vulnerabilities defined by pro- or anti-cancer YAP/TEAD activity. Cancer cell, 39(8), 1115.