

Resource Summary Report

Generated by [NIF](#) on Sep 16, 2026

T-47D

RRID:CVCL_0553

Type: Cell Line

Proper Citation

RRID:CVCL_0553

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0553

Proper Citation: RRID:CVCL_0553

Description: Cell line T-47D is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Invasive breast carcinoma of no special type

Defining Citation: [PMID:228940](#), [PMID:1961733](#), [PMID:8562478](#), [PMID:8824553](#), [PMID:9331090](#), [PMID:9671407](#), [PMID:9815641](#), [PMID:10700174](#), [PMID:10862037](#), [PMID:11044355](#), [PMID:11343771](#), [PMID:11414198](#), [PMID:11416159](#), [PMID:11687795](#), [PMID:12353263](#), [PMID:12661003](#), [PMID:12800145](#), [PMID:15748285](#), [PMID:15767549](#), [PMID:16142302](#), [PMID:16397213](#), [PMID:16417655](#), [PMID:16541312](#), [PMID:17088437](#), [PMID:17157791](#), [PMID:17254797](#), [PMID:18277095](#), [PMID:18516279](#), [PMID:19372543](#), [PMID:19582160](#), [PMID:19593635](#), [PMID:19727395](#), [PMID:20070913](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:21378333](#), [PMID:21912889](#), [PMID:22068913](#), [PMID:22347499](#), [PMID:22384151](#), [PMID:22460905](#), [PMID:22585861](#), [PMID:22628656](#), [PMID:23151021](#), [PMID:23325432](#), [PMID:23601657](#), [PMID:23671654](#), [PMID:23856246](#), [PMID:23933261](#), [PMID:24009699](#), [PMID:24094812](#), [PMID:24162158](#), [PMID:24176112](#), [PMID:24279929](#), [PMID:24456987](#), [PMID:24670534](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25960936](#), [PMID:26589293](#), [PMID:27377824](#), [PMID:27378269](#), [PMID:27397505](#), [PMID:27807467](#), [PMID:28196595](#), [PMID:28287265](#), [PMID:28889351](#), [PMID:29718670](#), [PMID:30787054](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [PMID:31733513](#), [PMID:31978347](#), [PMID:32576280](#), [PMID:34320349](#), [PMID:35839778](#), [PMID:38861359](#)

Comments: Population: Caucasian., Part of: NCI-7 clinical proteomics reference material cell line panel., Part of: NCI-60 cancer cell line panel., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: JWGray breast cancer cell line panel., Part of: JFCR45 cancer cell line panel., Part of: ICBP43 breast cancer cell line panel., Part of: Human Protein Atlas, Cell Atlas panel., Part of: ENCODE project common cell types;

tier 3., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: T-47D

Synonyms: T-47-D, T47-D, T47D:A, T47D

Cross References: BTO:BTO_0001248, CLO:CLO_0009251, EFO:EFO_0001247, MCCL:MCC:0000454, CLDB:cl4454, CLDB:cl4455, CLDB:cl4923, 4DN:4DNSRULKRD7P, ABM:T8987, AddexBio:C0006001/69, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ArrayExpress:E-TABM-157, ArrayExpress:E-TABM-244, ATCC:HTB-133, BCRC:60250, BCRJ:0323, BioGRID_ORCS_Cell_line:198, BioSample:SAMN03472872, BioSample:SAMN05292455, BioSample:SAMN07710019, BioSample:SAMN07710020, BioSample:SAMN07710021, BioSample:SAMN07710022, BioSample:SAMN07710023, BioSample:SAMN07710024, BioSample:SAMN07710025, BioSample:SAMN10987684, cancercellines:CVCL_0553, CCRID:1101HUM-PUMC000265, CCRID:3101HUMTCHu87, CCRID:4201HUM-CCTCC00045, CCTCC:GDC0045, Cell_Model_Passport:SIDM00097, ChEMBL-Cells:ChEMBL3307606, ChEMBL-Targets:ChEMBL614361, CLS:300353, Cosmic:687500, Cosmic:755296, Cosmic:871150, Cosmic:875882, Cosmic:877451, Cosmic:894091, Cosmic:897428, Cosmic:904395, Cosmic:905945, Cosmic:934538, Cosmic:944295, Cosmic:947353, Cosmic:949193, Cosmic:979711, Cosmic:991330, Cosmic:997925, Cosmic:1000126, Cosmic:1010918, Cosmic:1017169, Cosmic:1018470, Cosmic:1019311, Cosmic:1027050, Cosmic:1044203, Cosmic:1044220, Cosmic:1046942, Cosmic:1047715, Cosmic:1092641, Cosmic:1136342, Cosmic:1152529, Cosmic:1175835, Cosmic:1176629, Cosmic:1287901, Cosmic:1289418, Cosmic:1305387, Cosmic:1308999, Cosmic:1312373, Cosmic:1434958, Cosmic:1524350, Cosmic:1565732, Cosmic:1603226, Cosmic:1609473, Cosmic:1995658, Cosmic:1998484, Cosmic:2162162, Cosmic:2165027, Cosmic:2301534, Cosmic:2318373, Cosmic:2437466, Cosmic:2560247, Cosmic:2564833, Cosmic:2668277, Cosmic:2750524, Cosmic-CLP:905945, DepMap:ACH-000147, DSMZ:ACC-739, DSMZCellDive:ACC-739, ECACC:85102201, EGA:EGAS00001000610, EGA:EGAS00001000978, ENCODE:ENCBS323FFY, ENCODE:ENCBS440ENC, ENCODE:ENCBS441ENC, ENCODE:ENCBS442ENC, ENCODE:ENCBS597ENC, ENCODE:ENCBS598ENC, ENCODE:ENCBS599ENC, ENCODE:ENCBS600ENC, ENCODE:ENCBS601ENC, ENCODE:ENCBS602ENC, ENCODE:ENCBS603ENC, ENCODE:ENCBS604ENC, ENCODE:ENCBS610MSM, ENCODE:ENCBS620AAA, ENCODE:ENCBS622AAA, ENCODE:ENCBS624AAA, ENCODE:ENCBS625AAA, ENCODE:ENCBS626AAA, ENCODE:ENCBS627AAA, ENCODE:ENCBS754KLC, ENCODE:ENCBS805DMB, ENCODE:ENCBS816QUZ, ENCODE:ENCBS943ULT, ENCODE:ENCBS979PGB, GDSC:905945, GEO:GSM818, GEO:GSM2098, GEO:GSM50185, GEO:GSM50249, GEO:GSM69196, GEO:GSM73762, GEO:GSM115116, GEO:GSM149980, GEO:GSM149988, GEO:GSM149996, GEO:GSM186461, GEO:GSM186462, GEO:GSM186463, GEO:GSM217605, GEO:GSM274651, GEO:GSM274652, GEO:GSM274664, GEO:GSM344358, GEO:GSM344408, GEO:GSM350514, GEO:GSM378141, GEO:GSM388215, GEO:GSM421894, GEO:GSM459712, GEO:GSM481305, GEO:GSM559637, GEO:GSM750782, GEO:GSM783929, GEO:GSM799322, GEO:GSM799385,

GEO:GSM816673, GEO:GSM827326, GEO:GSM839035, GEO:GSM844714, GEO:GSM844715, GEO:GSM844716, GEO:GSM847164, GEO:GSM847440, GEO:GSM847507, GEO:GSM887685, GEO:GSM888777, GEO:GSM923428, GEO:GSM923429, GEO:GSM923431, GEO:GSM923436, GEO:GSM967820, GEO:GSM1008576, GEO:GSM1008919, GEO:GSM1053715, GEO:GSM1153391, GEO:GSM1172904, GEO:GSM1173000, GEO:GSM1181243, GEO:GSM1181259, GEO:GSM1214577, GEO:GSM1238136, GEO:GSM1374950, GEO:GSM1374951, GEO:GSM1374952, GEO:GSM1401654, GEO:GSM1670521, GEO:GSM1833628, GEO:GSM2124689, GEO:GSM7701426, GEO:GSM7701444, Hysigen:TCH-C353, IARC_TP53:98, IBRC:C10103, ICLC:HTL98003, KCB:KCB 2011116YJ, KCLB:30133, LiGeA:CCLE_903, LINCS_HMS:50541, LINCS_LDP:LCL-1486, Lonza:748, NCBI_Iran:C203, NCI-DTP:T-47D, PharmacDB:T47D_1559_2019, PRIDE:PXD002104, PRIDE:PXD003539, PRIDE:PXD005390, PRIDE:PXD005942, PRIDE:PXD005946, PRIDE:PXD030304, Progenetix:CVCL_0553, PubChem_Cell_line:CVCL_0553, SKY/M-FISH/CGH:2824, SLKBase:3622, TOKU-E:3260, TOKU-E:3775, Wikidata:Q54971341

ID: CVCL_0553

Hierarchy: cvcl_3945

Record Creation Time: 20220427T221617+0000

Record Last Update: 20260913T010155+0000

Ratings and Alerts

No rating or validation information has been found for T-47D.

No alerts have been found for T-47D.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 4062 mentions in open access literature.

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

Nayak S, et al. (2026) Discovery of BMS-986365, a First-in-Class Dual Androgen Receptor Ligand-Directed Degradar and Antagonist, for the Treatment of Advanced Prostate Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(1), 224.

Bonechi F, et al. (2026) ESR1-Activating Mutations Confer Metabolic Vulnerabilities in ER+ Breast Cancer. Cancer research, 86(3), 679.

Yang J, et al. (2026) CircKIAA1617 promotes stemness via USP14/PGRMC1-mediated autophagy and lipid metabolism reprogramming in ER-positive breast cancer. Molecular

cancer, 25(1).

Nandi D, et al. (2026) Spermine Oxidase Serves as a Key Functional Node in Microbial Dysbiosis-Induced Breast Carcinogenesis. *Cancer research*, 86(8), 1920.

Li K, et al. (2026) The GATA3-RFPL3-ASK1 axis suppresses breast cancer growth and lung metastasis. *Apoptosis : an international journal on programmed cell death*, 31(4).

Christenson JL, et al. (2026) Metastasis-Associated Wound Repair Promotes Reciprocal Lung Epithelium Activation and Breast Cancer Metastatic Outgrowth. *Cancer research communications*, 6(4), 750.

Müller J, et al. (2026) GLYATL1 is associated with metabolic and epigenetic changes and with endocrine resistance in luminal breast cancer. *Clinical epigenetics*, 18(1).

Bakchi B, et al. (2026) Synthesis, Biological Evaluation, and In Silico Analysis of Benzothiazolyl-Furano Thiazolidinones as Tubulin Polymerization Inhibitors. *Chemistry & biodiversity*, 23(6), e71423.

Ohashi T, et al. (2026) ZSTK3744, a Novel Aryl Hydrocarbon Receptor Agonist, Exhibits Efficacy against Chemotherapy-Resistant Triple-Negative Breast Cancer. *Cancer research communications*, 6(2), 421.

Przanowska R, et al. (2026) IL-6R blockade with tocilizumab disrupts pericyte- and tumor cell-driven IL-6/STAT3 signaling, enhancing docetaxel efficacy in ER+ breast cancer. *bioRxiv : the preprint server for biology*.

Alzoubi SM, et al. (2026) Anti-Cancer and Immunomodulatory Activities of *Prangos ferulacea* (L.) Lindl. (APIACEAE) Extracts: An In Vitro and In Vivo Study. *Integrative cancer therapies*, 25, 15347354251413219.

Boyer T, et al. (2026) Immunosuppressive myeloid cells induce mesenchymal-like breast cancer stem cells by a membrane-bound TGF- β 1-dependent mechanism. *Cell reports*, 45(7), 117568.

Liu S, et al. (2026) RET signaling as a mediator of estrogen receptor positive breast cancer brain metastasis. *Communications biology*.

Yang T, et al. (2026) Covalent Inhibition of SHMT2 by Gambogic Acid Induces Ferroptosis Through Mitochondrial Collapse in Triple-Negative Breast Cancer. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(42), e20252.

Ortega-Ivarez D, et al. (2026) Discovery and Evaluation of Biomarkers for Triple-Negative Breast Cancer Subtypes Uncovers Patient Stratification and Targeted Therapeutic Strategies. *Cancer research*, 86(10), 2360.

Venkatesh J, et al. (2026) LINC01929 mediates breast cancer immunosuppression and is an immunotherapy target. *iScience*, 29(4), 115381.

Nallagonda S, et al. (2026) Design, Synthesis, and Characterization of Novel 1,3,4-Thiadiazole-Benzo[b]Oxepine Derivatives: Study of Their Antiproliferative Activity, Docking, DFT, and ADME-T Properties. *Chemistry & biodiversity*, 23(3), e03136.

Kump A, et al. (2026) Opposing roles of DGAT-mediated lipid droplet biogenesis in the regulation of ferroptosis sensitivity. The FEBS journal.

Koellisch K, et al. (2026) Distinct 2-phenylimidazo[1,2-a]pyridine derivatives that inhibit breast cancer cell proliferation identified as AHR ligands. iScience, 29(6), 115936.

Koul S, et al. (2026) Mapping the Subtype-Specific PARP1 ADP-ribosylated Proteome in Breast Cancer Cells. Molecular cancer research : MCR.