

Resource Summary Report

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

Caco-2

RRID:CVCL_0025

Type: Cell Line

Proper Citation

RRID:CVCL_0025

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0025

Proper Citation: RRID:CVCL_0025

Description: Cell line Caco-2 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Colon adenocarcinoma

Defining Citation: [PMID:327080](#), [PMID:833871](#), [PMID:2914637](#), [PMID:3349466](#), [PMID:3518877](#), [PMID:6935474](#), [PMID:7459858](#), [PMID:7764660](#), [PMID:8253353](#), [PMID:8508948](#), [PMID:9294210](#), [PMID:10092214](#), [PMID:10612807](#), [PMID:10737795](#), [PMID:11414198](#), [PMID:11416159](#), [PMID:11668190](#), [PMID:12584437](#), [PMID:14599474](#), [PMID:15316659](#), [PMID:15731278](#), [PMID:15868485](#), [PMID:16418264](#), [PMID:16854228](#), [PMID:16957166](#), [PMID:18258742](#), [PMID:20570890](#), [PMID:20606684](#), [PMID:20831567](#), [PMID:21607810](#), [PMID:23272949](#), [PMID:23932154](#), [PMID:24042735](#), [PMID:24755471](#), [PMID:25485619](#), [PMID:25841592](#), [PMID:25877200](#), [PMID:25926053](#), [PMID:25944804](#), [PMID:25960936](#), [PMID:26537799](#), [PMID:26589293](#), [PMID:26869432](#), [PMID:28196595](#), [PMID:28683746](#), [PMID:29101300](#), [PMID:29787057](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31981602](#), [PMID:33389257](#), [PMID:34339474](#)

Comments: Virology: Susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=33389257; PubMed=34339474)., Virology: Highly susceptible to infection by SARS coronavirus (SARS-CoV) (PubMed=15316659; PubMed=15731278)., Population: Caucasian., Part of: MD Anderson Cell Lines Project., Part of: Human Protein Atlas, Cell Atlas panel., Part of: ENCODE project common cell types; tier 3., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Part of: AstraZeneca Colorectal cell line (AZCL) panel.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: Caco-2

Synonyms: CaCo-2, CACO-2, Caco 2, CACO 2, CACO2, CaCo2, CaCO2, Caco2, Caco-2/ATCC, Caco-II

Cross References: BTO:BTO_0000195, CLO:CLO_0002172, CLO:CLO_0050627, EFO:EFO_0001099, MCCL:MCC:0000120, CLDB:cl614, CLDB:cl615, CLDB:cl616, CLDB:cl617, CLDB:cl618, CLDB:cl619, CLDB:cl621, CLDB:cl5174, Abcam:ab275464, AddexBio:C0009009/29, ArrayExpress:E-MTAB-2706, ATCC:HTB-37, BCRJ:0059, BioSample:SAMN03473140, BioSample:SAMN05292461, BioSample:SAMN10989600, cancercellines:CVCL_0025, CCRID:1101HUM-PUMC000100, CCRID:1102HUM-NIFDC00087, CCRID:3101HUMSCSP5027, CCRID:3101HUMTCHu146, CCRID:4201HUM-CCTCC00153, CCRID:5301HUM-KCB07010YJ, CCTCC:GDC0153, Cell_Model_Passport:SIDM00891, ChEMBL-Cells:ChEMBL3307519, ChEMBL-Targets:ChEMBL614058, CLS:300137, ColonAtlas:CACO2, Cosmic:720340, Cosmic:873696, Cosmic:875297, Cosmic:876709, Cosmic:887244, Cosmic:889531, Cosmic:948127, Cosmic:948829, Cosmic:983736, Cosmic:995392, Cosmic:1043805, Cosmic:1122320, Cosmic:1132564, Cosmic:1132694, Cosmic:1184081, Cosmic:1187299, Cosmic:1310931, Cosmic:1466811, Cosmic:1479620, Cosmic:1524334, Cosmic:1552180, Cosmic:1676742, Cosmic:1708415, Cosmic:1803940, Cosmic:1933015, Cosmic:2036652, Cosmic:2145574, Cosmic:2156940, Cosmic:2301543, Cosmic:2301964, Cosmic:2667879, Cosmic:2800568, DepMap:ACH-000003, DSMZ:ACC-169, DSMZCellDive:ACC-169, ECACC:09042001, ECACC:86010202, EGA:EGAS00001000610, EGA:EGAS00001002554, ENCODE:ENCBS311PHE, ENCODE:ENCBS390JMI, ENCODE:ENCBS391ENC, ENCODE:ENCBS530YXL, ENCODE:ENCBS700RKG, ENCODE:ENCBS890JZY, FANTOM5_SSTAR:10513-107D9, FCS-free:192-2-378-1-3-3, GEO:GSM206450, GEO:GSM274711, GEO:GSM274712, GEO:GSM274725, GEO:GSM383861, GEO:GSM472900, GEO:GSM472933, GEO:GSM513908, GEO:GSM514182, GEO:GSM741244, GEO:GSM749689, GEO:GSM749691, GEO:GSM749748, GEO:GSM784006, GEO:GSM843481, GEO:GSM843482, GEO:GSM845394, GEO:GSM945162, GEO:GSM945203, GEO:GSM945206, GEO:GSM945236, GEO:GSM1006210, GEO:GSM1006211, GEO:GSM1006212, GEO:GSM1346866, GEO:GSM1374426, GEO:GSM1448160, GEO:GSM2549989, GEO:GSM7701359, GEO:GSM7701360, IARC_TP53:21749, IBRC:C10094, ICLC:HTL97023, IZSLER:BS TCL 87, KCB:KCB 200710YJ, KCLB:30037.1, LINCS_LDP:LCL-1170, Lonza:36, MeSH:D018938, MetaboLights:MTBLS227, MetaboLights:MTBLS328, NCBI_Iran:C139, PharmacDB:Caco2_161_2019, PRIDE:PXD001550, PRIDE:PXD005354, PRIDE:PXD005355, PRIDE:PXD018357, PRIDE:PXD019645, PRIDE:PXD023760, Progenetix:CVCL_0025, PubChem_Cell_line:CVCL_0025, RCB:RCB0988, TOKU-E:762, Ubigen:YC-D003, Wikidata:Q5016050

ID: CVCL_0025

Record Creation Time: 20220427T215437+0000

Record Last Update: 20260815T231953+0000

Ratings and Alerts

No rating or validation information has been found for Caco-2.

No alerts have been found for Caco-2.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 9197 mentions in open access literature.

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

Beardsley JM, et al. (2026) Colorectal cancer-derived FGF19 is a metabolically active serum biomarker that exerts enteroendocrine effects on mouse liver. *Molecular oncology*, 20(6), 1494.

Chen Y, et al. (2026) Innovative Metasurface Colorimetric Cell-on-a-Chip Sensor for Continuous, Label-Free, Non-Destructive Assessment of Intestinal Barrier Dynamics. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(19), e23118.

Wheeler AE, et al. (2026) Conformable Device for Independent Measurements of Mucosal and Vascular Barriers in a Complex In Vitro Intestinal Model. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(13), e11686.

Molonia MS, et al. (2026) Phenolic Profile and In Vitro Anti-Inflammatory Activities of *Salvia officinalis* L. Hydrodistillation Wastewater. *Chemistry & biodiversity*, 23(1), e02271.

Kaur T, et al. (2026) Loss of Regulator of G Protein Signaling 11 Promotes Protumorigenic Features in Pancreatic Cancer. *Molecular cancer research : MCR*, 24(1), 34.

Thirugnanam S, et al. (2026) Dietary indoles influence the AHR-ROR γ t axis and mucosal immune homeostasis in ART-treated SIV infection. *JCI insight*, 11(10).

Lasaviciute G, et al. (2026) *Limosilactobacillus reuteri* metabolites modulate immune pathways and intestinal barrier repair after 5 fluorouracil exposure. *Scientific reports*, 16(1).

Feng M, et al. (2026) Carbohydrate responsive element binding protein promotes colorectal carcinogenesis via Wnt/ β -catenin pathway. *Oncogene*, 45(20), 1890.

Ganci D, et al. (2026) Cytotoxic Activity of Sicilian Red- and White-Grape Seed Oils on Human Liver and Colorectal Cancer Cells. *Molecules (Basel, Switzerland)*, 31(10).

Wu W, et al. (2026) Choline counteracts pregnancy undernutrition-associated colitis in sheep by restoring microbiota driven bile acid metabolism. *NPJ biofilms and microbiomes*.

Werner L, et al. (2026) Antibiotic disruption of the gut microbiome triggers IBD-like proteolytic activity. *Cell reports*, 45(6), 117478.

Sun T, et al. (2026) Early melatonin supplementation partially delays gastrointestinal aging. *Biochimica et biophysica acta. Molecular basis of disease*, 1872(8), 168344.

Lin WC, et al. (2026) Microbial keystone taxa and metabolic signatures in centenarians regulate intestinal homeostasis during aging. *iMeta*, 5(3), e70134.

Wang W, et al. (2026) 7,8-Dihydroxyflavone alleviates ulcerative colitis by binding keap1 to activate an slc7a11-dependent inhibition of NF- κ B p65 signaling in macrophages. *Journal of advanced research*.

Wang B, et al. (2026) MYLK4 promotes colorectal cancer progression by regulating lipid metabolism reprogramming via targeting ferroptosis. *Neoplasia (New York, N.Y.)*, 73, 101270.

Zhu J, et al. (2026) Xin-Jia-Tong-Xie-Yao-Fang restores the intestinal barrier to alleviate irritable bowel syndrome via microbial butyrate mediated PI3K/Akt pathway suppression. *Microbial pathogenesis*, 213, 108344.

Young V, et al. (2026) Effector-host interactome map links type III secretion systems in healthy gut microbiomes to immune modulation. *Nature microbiology*, 11(2), 442.

Hollek V, et al. (2026) Pooled single-cell screen in colorectal cancer defines transcriptional modules linked to oncogenes. *Molecular systems biology*, 22(3), 435.

Zhang F, et al. (2026) Astragalin alleviates ulcerative colitis via FPR1 inhibition and restores Microbiota-Metabolite Homeostasis: A mechanism revealed by deep learning. *Biochemical pharmacology*, 250(Pt 2), 118022.

Román-Trufero M, et al. (2026) A Novel Potent and Selective GCN2 Inhibitor, APL-4098, Has Antileukemic Activity through Dysregulation of Mitochondrial Function. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(9), 1846.