

Resource Summary Report

Generated by [NIF](#) on Sep 11, 2026

HRT-18

RRID:CVCL_2514

Type: Cell Line

Proper Citation

RRID:CVCL_2514

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2514

Proper Citation: RRID:CVCL_2514

Description: Cell line HRT-18 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Colon adenocarcinoma

Defining Citation: [PMID:3349466](#), [PMID:9809040](#), [PMID:12068308](#), [PMID:20215515](#), [PMID:30894373](#), [PMID:31068700](#)

Comments: Population: Caucasian., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: HRT-18

Synonyms: HRT18, Human Rectal Tumor-18

Cross References: BTO:BTO_0001947, CLO:CLO_0003668, CLO:CLO_0003836, CLDB:cl1710, CLDB:cl1711, ATCC:CCL-244, BCRJ:0106, BioSample:SAMN03471480, BioSample:SAMN10989582, cancerellines:CVCL_2514, CCLV:CCLV-RIE 0108, Cell_Model_Passport:SIDM00788, ChEMBL-Cells:ChEMBL3308672, ChEMBL-Targets:ChEMBL614834, CLS:300230, ColonAtlas:HRT18, Cosmic:724841, DepMap:ACH-001091, ECACC:86040306, GEO:GSM827431, IZSLER:BS TCL 26, LINCS_LDP:LCL-1289, PharmacDB:HRT18_567_2019, Progenetix:CVCL_2514, PubChem_Cell_line:CVCL_2514, Wikidata:Q54895337

ID: CVCL_2514

Hierarchy: cvcl_3449

Record Creation Time: 20220427T220600+0000

Record Last Update: 20260905T180740+0000

Ratings and Alerts

No rating or validation information has been found for HRT-18.

No alerts have been found for HRT-18.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Zhuang X, et al. (2026) Receptor-ubiquitination-targeting antibody-drug conjugates for enhanced endocytosis and lysosomal delivery. Cell chemical biology, 33(4), 506.

Zhang Q, et al. (2025) Targeting both the enzymatic and non-enzymatic functions of DHODH as a therapeutic vulnerability in c-Myc-driven cancer. Cell reports, 44(3), 115327.

Yang Z, et al. (2025) Rapid and accurate detection of infectious SARS-CoV-2 by viral receptor capture combined with loop-mediated isothermal amplification. Virologica Sinica, 40(4), 613.

Deng X, et al. (2025) A dual-reporter HCoV-OC43 for coronavirus biology and countermeasure development. Antiviral research, 244, 106306.

Zhou B, et al. (2025) IMPDH2 dephosphorylation under FGFR signaling promotes S-phase progression and tumor growth. Cell reports, 44(1), 115116.

Marzook NB, et al. (2025) The essential host genome for Cryptosporidium survival exposes metabolic dependencies that can be leveraged for treatment. Cell.

Rodrigues E, et al. (2025) Cryptosporidium modifies intestinal microvilli through an exported virulence factor. Cell host & microbe, 33(5), 719.

Ren W, et al. (2025) TCF25 serves as a nutrient sensor to orchestrate metabolic adaptation and cell death by enhancing lysosomal acidification under glucose starvation. Cell reports, 44(9), 116186.

Zhang C, et al. (2025) Targeting WEE1 in ARID1A/TP53 Concurrent Mutant Colorectal Cancer by Exploiting R-Loop Accumulation and DNA Repair Deficiencies. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e12074.

Nava MG, et al. (2024) The *Cryptosporidium* signaling kinase CDPK5 plays an important role in male gametogenesis and parasite virulence. *Cell reports*, 43(6), 114263.

Dong J, et al. (2024) *Roseburia intestinalis* sensitizes colorectal cancer to radiotherapy through the butyrate/OR51E1/RALB axis. *Cell reports*, 43(3), 113846.

Napolitano V, et al. (2022) Acriflavine, a clinically approved drug, inhibits SARS-CoV-2 and other betacoronaviruses. *Cell chemical biology*, 29(5), 774.

Marroncini G, et al. (2022) The V2 receptor antagonist tolvaptan counteracts proliferation and invasivity in human cancer cells. *Journal of endocrinological investigation*, 45(9), 1693.

Pranzini E, et al. (2022) SHMT2-mediated mitochondrial serine metabolism drives 5-FU resistance by fueling nucleotide biosynthesis. *Cell reports*, 40(7), 111233.

Ding P, et al. (2022) Intracellular complement C5a/C5aR1 stabilizes β -catenin to promote colorectal tumorigenesis. *Cell reports*, 39(9), 110851.

Guérin A, et al. (2021) *Cryptosporidium* rhoptry effector protein ROP1 injected during invasion targets the host cytoskeletal modulator LMO7. *Cell host & microbe*, 29(9), 1407.

Yamaoka Y, et al. (2021) Highly specific monoclonal antibodies and epitope identification against SARS-CoV-2 nucleocapsid protein for antigen detection tests. *Cell reports. Medicine*, 2(6), 100311.

Dong J, et al. (2021) Oral microbiota affects the efficacy and prognosis of radiotherapy for colorectal cancer in mouse models. *Cell reports*, 37(4), 109886.

Li J, et al. (2021) Cytoplasmic RAD23B interacts with CORO1C to synergistically promote colorectal cancer progression and metastasis. *Cancer letters*, 516, 13.

Ferrandon S, et al. (2020) CoA Synthase (COASY) Mediates Radiation Resistance via PI3K Signaling in Rectal Cancer. *Cancer research*, 80(2), 334.