

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

HT-29-MTX-E12

RRID:CVCL_G356

Type: Cell Line

Proper Citation

RRID:CVCL_G356

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_G356

Proper Citation: RRID:CVCL_G356

Description: Cell line HT-29-MTX-E12 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Colon adenocarcinoma

Defining Citation: [PMID:11587485](#)

Comments: Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: HT-29-MTX-E12

Synonyms: HT29-MTX-E12, MTX-E12

Cross References: cancercellines:CVCL_G356, CLS:305801, ECACC:12040401, Wikidata:Q54896519

ID: CVCL_G356

Hierarchy: cvcl_6834

Record Creation Time: 20220427T220617+0000

Record Last Update: 20260829T234243+0000

Ratings and Alerts

No rating or validation information has been found for HT-29-MTX-E12.

No alerts have been found for HT-29-MTX-E12.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 65 mentions in open access literature.

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

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.

Kono G, et al. (2023) Fermentation Supernatant of Elderly Feces with Inulin and Partially Hydrolyzed Guar Gum Maintains the Barrier of Inflammation-Induced Caco-2/HT29-MTX-E12 Co-Cultured Cells. *Journal of agricultural and food chemistry*, 71(3), 1510.

Srivarathan S, et al. (2023) Edible Halophytes with Functional Properties: In Vitro Protein Digestibility and Bioaccessibility and Intestinal Absorption of Minerals and Trace Elements from Australian Indigenous Halophytes. *Molecules* (Basel, Switzerland), 28(10).

Le NPK, et al. (2023) Development of an Inflammation-Triggered In Vitro "Leaky Gut" Model Using Caco-2/HT29-MTX-E12 Combined with Macrophage-like THP-1 Cells or Primary Human-Derived Macrophages. *International journal of molecular sciences*, 24(8).

Buzzanca D, et al. (2023) Transcriptome Analysis of *Arcobacter butzleri* Infection in a Mucus-Producing Human Intestinal In Vitro Model. *Microbiology spectrum*, 11(1), e0207122.

Song R, et al. (2023) Trans-Golgi protein TVP23B regulates host-microbe interactions via Paneth cell homeostasis and Goblet cell glycosylation. *Nature communications*, 14(1), 3652.

Cankar K, et al. (2023) Lactucin Synthase Inactivation Boosts the Accumulation of Anti-inflammatory 8-Deoxylactucin and Its Derivatives in Chicory (*Cichorium intybus* L.). *Journal of agricultural and food chemistry*, 71(15), 6061.

Christensen B, et al. (2023) Naturally Occurring N-Terminal Fragments of Bovine Milk Osteopontin Are Transported across Models of the Intestinal Barrier. *Biomedicines*, 11(3).

Beamer MA, et al. (2023) Novel 3D Flipwell system that models gut mucosal microenvironment for studying interactions between gut microbiota, epithelia and immunity. *Scientific reports*, 13(1), 870.

Malik M, et al. (2023) An In Vitro Small Intestine Model Incorporating a Food Matrix and Bacterial Mock Community for Intestinal Function Testing. *Microorganisms*, 11(6).

Rebai Y, et al. (2023) *Escherichia coli* Nissle 1917 Antagonizes *Candida albicans* Growth and Protects Intestinal Cells from *C. albicans*-Mediated Damage. *Microorganisms*, 11(8).

van der Lugt B, et al. (2022) The effects of sulfated secondary bile acids on intestinal barrier function and immune response in an inflammatory in vitro human intestinal model. *Heliyon*, 8(2), e08883.

Selmani A, et al. (2022) Thiolated Chitosan Conjugated Liposomes for Oral Delivery of Selenium Nanoparticles. *Pharmaceutics*, 14(4).

Moldovan CV, et al. (2022) Synthetic Flavonoid BrCl-Flav-An Alternative Solution to Combat ESKAPE Pathogens. *Antibiotics (Basel, Switzerland)*, 11(10).

Li J, et al. (2022) Oral insulin delivery by epithelium microenvironment-adaptive nanoparticles. *Journal of controlled release : official journal of the Controlled Release Society*, 341, 31.

Giromini C, et al. (2022) Role of Short Chain Fatty Acids to Counteract Inflammatory Stress and Mucus Production in Human Intestinal HT29-MTX-E12 Cells. *Foods (Basel, Switzerland)*, 11(13).

Sousa SC, et al. (2022) Can Growth of *Nannochloropsis oculata* under Modulated Stress Enhance Its Lipid-Associated Biological Properties? *Marine drugs*, 20(12).

Weller A, et al. (2022) Quantifying the transport of biologics across intestinal barrier models in real-time by fluorescent imaging. *Frontiers in bioengineering and biotechnology*, 10, 965200.

Busch M, et al. (2022) Investigating the Role of the NLRP3 Inflammasome Pathway in Acute Intestinal Inflammation: Use of THP-1 Knockout Cell Lines in an Advanced Triple Culture Model. *Frontiers in immunology*, 13, 898039.

Wang Z, et al. (2022) Assessment of intestinal injury of hexavalent chromium using a modified in vitro gastrointestinal digestion model. *Toxicology and applied pharmacology*, 436, 115880.