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: cancercelllines: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.