

Product sheet

HT-29 MTX E12 HT-29 MTX E12 | 305801

HT-29 MTX E12

Description
HT-29-MTX-E12 is a cell line derived from HT-29 cells, which are a human colorectal adenocarcinoma cell line. The cell line is characterized by its ability to grow in suspension and its high tumorigenicity. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin-like growth factor 1 (IGF1). The cell line is used for the study of colorectal cancer and for the development of novel therapies.

Organism Human

Tissue Colon

Disease Colorectal cancer

Synonyms Ht29-mtx-e12, mtx-e12

HT-29 MTX E12

Age 44 years

Gender Male

Ethnicity Caucasian

Cell type Adipocytes

Growth properties Adipogenic

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Citation HT-29-MTX-E12 (ATCC CRL-2539) | 305801

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_G356

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Mutational profile APC p.Glu853Ter (c.2557G>T) APC p.Thr1556Asnfs*3 (c.4500G>A) p.Val600Glu (c.1799T>A) PIK3CA p.Pro449Thr (c.1345C>A) Arg273His (c.818G>A)

Cell Line

Culture Medium EMEM (MEM Eagle) 2 mM L-Glutamine 2.2 mM NaHCO3 EBSS (820100a)

Supplements 10% FBS 1% Penicillin 1% Streptomycin

Dissociation Reagent Trypsin

Freeze medium FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Centrifuge at 300 x g for 3 minutes.
 3. Wash cells with PBS.
 4. Resuspend cells in 70% FBS.
 5. Seed cells into a 15 cm dish.
 6. Incubate for 8 hours.
 7. Wash cells with PBS.
 8. Seed cells into a 37°C incubator.

Incubation Atmosphere 37°C 5% CO2

Flask Coating Cell culture medium

