

HT-29 MTX E12 | 305801

HT-29 MTX E12

Description	HT-29-MTX-E12 is a cell line derived from a patient with colorectal cancer. It is characterized by the expression of MUC2, MUC1, and MUC6. The cell line is maintained in DMEM/F12 medium supplemented with 10% FBS. HT-29-MTX-E12 cells are highly proliferative and form colonies in soft agar. The cell line is suitable for studying the role of MUC2 in colorectal cancer.
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Organism	Human
Tissue	Colorectal cancer
Disease	Colorectal cancer
Synonyms	HT29-MTX-E12, MTX-E12

Characteristics

Age	44 years
Gender	Male
Ethnicity	White
Cell type	Epithelial
Growth properties	Adherent

Characteristics and properties

Citation	HT-29-MTX-E12 (Cytion 305801)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_G356

Characteristics and properties

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Mutational profile

APC, p.Glu853Ter (c.2557G>T), (APC). APC, p.Thr1556Asnfs*3 (c.466G>A), p.Val600Glu (c.1799T>A), (PIK3CA). PIK3CA, p.Pro449Thr (c.1345C>A), TP53, p.Arg273His (c.818G>A), (TP53).

Culture Medium

EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO₃, w: EBSS (Cytion 820100a)

Supplements

10% FBS 1% NEAA

Dissociation Reagent

Freeze medium

(FBS) + 10% DMSO

Thawing and Culturing Cells

1. ,
2. -150°C
3. 37
4. 70%
5. 15" 8"
6. 300 x g 13
7. 10" T2
- 8.

Incubation Atmosphere

37°C, 5% CO₂,

Flask Coating

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Freezing
Procedure

Das Produkt sollte bei -78°C gefroren werden.

Shipping
Conditions

Das Produkt sollte bei -78°C transportiert werden.

Storage
Conditions

Das Produkt sollte bei -150 bis -196°C gelagert werden.

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Sterility

Das Produkt ist steril und kann für PCR-Analysen verwendet werden.
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