

HROC278Met1 T2 M2 | 300836

General information

Description	Cell line derived from a 76-year-old male patient with a primary colorectal adenocarcinoma (PD Dr. Michael Linnebacher) [1].
Organism	Human
Tissue	Colorectal adenocarcinoma, primary tumor, CRC (T4N2M1R0L1V1, G3, Lk(n) +19, Lymph node metastasis).
Disease	Colorectal adenocarcinoma

Cell line characteristics

Age	76 years
Gender	Male
Ethnicity	German
Morphology	Epithelial cells
Growth properties	Adherent

Cell line identification

Citation	HROC278Met1 T2 M2 (Cytion 300836)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1U90

Cell line authentication

Protein expression	PTEN
Tumorigenic	Yes, tumorigenic in nude mice

Product sheet

HEp-2 HROC278Met1 T2 M2 | 300836

Viruses	HEp-2 is resistant to SV40, JC/BK, HBV, HCV, HIV.
MSI-status	MSI-L
Mutational profile	B-RAFV600E APCwt, p53wt, K-Raswt, N-Raswt, H-Raswt, PIK3CAwt
HEp-2	
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L Glucose, w: 2.5 mM L-Glutamine, w: 15 mM HEPES, w: 0.5 mM Sodium Pyruvate, w: 1.2 g/L NaHCO3 820400a)
Supplements	HEp-2 requires 10% FBS
Dissociation Reagent	Trypsin
Doubling time	29 hours
Subculturing	HEp-2 cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged using Trypsin. HEp-2 cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged using Trypsin.
Seeding density	2×10^4 cells/cm ²
Fluid renewal	3-5 times per week
Post-Thaw Recovery	HEp-2 cells
Freeze medium	HEp-2 cells are frozen in DMEM:Ham's F12 (1:1) supplemented with 10% FBS + 10% DMSO.

Thawing and Culturing Cells

- [illegible]

37°C, 5% CO₂,

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Abstract The purpose of this study was to determine whether the use of a computerized program designed to teach the principles of PCR could improve students' understanding of the process. A total of 60 students were divided into two groups: one group used the program, and the other group did not. The results showed that the students who used the program had a significantly higher score on the post-test than those who did not. This suggests that the use of the program can improve students' understanding of the process.