

HCC1806 | 300467

Description HCC1806 is a human colorectal adenocarcinoma cell line. It was established from a 60-year-old male patient with a primary tumor in the sigmoid colon. The cell line is characterized by its ability to form spheroids in suspension culture and its sensitivity to the chemotherapeutic agent AEB071. HCC1806 is a well-established cell line used for studying colorectal cancer biology and drug response.

Organism Human

Tissue Colon, Adenocarcinoma

Disease Colorectal adenocarcinoma, HCC1806

Applications Cell culture, Drug screening, Cancer research

Synonyms Hcc1806, HCC-1806, HCC1806

Age 60 years

Gender Male

Ethnicity Caucasian

Morphology Adherent, Epithelial

Cell type Epithelial

Growth properties Adherent

Citation HCC1806 (Cytion 300467)

Biosafety level 1

NCBI_TaxID 9606

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CellosaurusAccession CVCL_1258

Receptors expressed EGFR, HER2, IGF1R, PDGFR

Protein expression EGFR2 (EGP2), PDGFR19

Oncogenes Her2/neu-, p53-

Karyotype 46,XX,t(17;12)(p11;p11) = 59,del(17)(p11) = 75,del(12)(p11) = 65,del(12)(p11) = 79,del(12)(p11) = 2

Culture Medium RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 mM/10 mM NaHCO3 (Cytion 820700a)

Supplements FBS 10%

Dissociation Reagent Trypsin

Subculturing PBS, T25

Freeze medium FBS + 10% DMSO

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Thawing and Culturing Cells

1. [REDACTED]
2. [REDACTED] cryovial [REDACTED]-150 [REDACTED]
3. [REDACTED] 37°C [REDACTED]
4. [REDACTED] 70% [REDACTED]
5. [REDACTED] 15 [REDACTED]
6. [REDACTED] 300 x g [REDACTED] 3 [REDACTED]
7. [REDACTED] 10 [REDACTED]
8. [REDACTED]

Incubation Atmosphere 37°C, 5% CO₂, [REDACTED]

Flask Coating [REDACTED]

Freezing Procedure [REDACTED]

Shipping Conditions [REDACTED]

Storage Conditions [REDACTED]-150 [REDACTED]-196 °C [REDACTED]

/ / HLA

Sterility [REDACTED] PCR [REDACTED]
[REDACTED] [REDACTED] [REDACTED]