

Colo-60H | 300456

Colo-60H

Description	Colo-60H is a human colorectal adenocarcinoma cell line. It was established in 1978 from a primary tumor of a 60-year-old male patient. The cell line is characterized by its ability to form colonies in soft agar and its sensitivity to 5-fluorouracil. It is commonly used in research on colorectal cancer biology and drug response.
Organism	Human
Tissue	Colorectal adenocarcinoma
Disease	Colorectal cancer
Synonyms	COLO-60H, COLO 60H, COLO60H

Cell characteristics

Age	73 years
Gender	Male
Morphology	Epithelial cells
Growth properties	Adherent

Cell line identification

Citation	Colo-60H (ATCC CCL-221) Cytion 300456
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_4572

Cell line authentication

Cell line storage

Product sheet

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Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L β -MEM, w: 2.5 mM L- β -alanine, w: 15 mM HEPES, w: 0.5 mM β -mercaptoethanol, w: 1.2 g/L NaHCO ₃ 820400a)
Supplements	β -MEM 10% FBS
Dissociation Reagent	β -MEM
Subculturing	Cells are grown in 25 cm ² flasks in DMEM:Ham's F12 (1:1), w: 3.1 g/L β -MEM, w: 2.5 mM L- β -alanine, w: 15 mM HEPES, w: 0.5 mM β -mercaptoethanol, w: 1.2 g/L NaHCO ₃ 820400a) supplemented with 10% FBS. Cells are grown to confluence and then trypsinized with 0.25% trypsin-EDTA. Cells are resuspended in DMEM:Ham's F12 (1:1), w: 3.1 g/L β -MEM, w: 2.5 mM L- β -alanine, w: 15 mM HEPES, w: 0.5 mM β -mercaptoethanol, w: 1.2 g/L NaHCO ₃ 820400a) and seeded into new flasks.
Seeding density	1.0 × 10 ⁵ cells/cm ²
Fluid renewal	3-5 times
Post-Thaw Recovery	Cells are grown in 25 cm ² flasks in DMEM:Ham's F12 (1:1), w: 3.1 g/L β -MEM, w: 2.5 mM L- β -alanine, w: 15 mM HEPES, w: 0.5 mM β -mercaptoethanol, w: 1.2 g/L NaHCO ₃ 820400a) supplemented with 10% FBS. Cells are grown to confluence and then trypsinized with 0.25% trypsin-EDTA. Cells are resuspended in DMEM:Ham's F12 (1:1), w: 3.1 g/L β -MEM, w: 2.5 mM L- β -alanine, w: 15 mM HEPES, w: 0.5 mM β -mercaptoethanol, w: 1.2 g/L NaHCO ₃ 820400a) and seeded into new flasks.
Freeze medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L β -MEM, w: 2.5 mM L- β -alanine, w: 15 mM HEPES, w: 0.5 mM β -mercaptoethanol, w: 1.2 g/L NaHCO ₃ 820400a) supplemented with 10% FBS + 10% DMSO
Thawing and Culturing Cells	- Cells are grown in 25 cm² flasks in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) supplemented with 10% FBS. Cells are grown to confluence and then trypsinized with 0.25% trypsin-EDTA. Cells are resuspended in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) and seeded into new flasks. - Cells are grown in 25 cm² flasks in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) supplemented with 10% FBS. Cells are grown to confluence and then trypsinized with 0.25% trypsin-EDTA. Cells are resuspended in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) and seeded into new flasks. - Cells are grown in 25 cm² flasks in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) supplemented with 10% FBS. Cells are grown to confluence and then trypsinized with 0.25% trypsin-EDTA. Cells are resuspended in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) and seeded into new flasks. - Cells are grown in 25 cm² flasks in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) supplemented with 10% FBS. Cells are grown to confluence and then trypsinized with 0.25% trypsin-EDTA. Cells are resuspended in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) and seeded into new flasks. - Cells are grown in 25 cm² flasks in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) supplemented with 10% FBS. Cells are grown to confluence and then trypsinized with 0.25% trypsin-EDTA. Cells are resuspended in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) and seeded into new flasks. - Cells are grown in 25 cm² flasks in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) supplemented with 10% FBS. Cells are grown to confluence and then trypsinized with 0.25% trypsin-EDTA. Cells are resuspended in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) and seeded into new flasks. - Cells are grown in 25 cm² flasks in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) supplemented with 10% FBS. Cells are grown to confluence and then trypsinized with 0.25% trypsin-EDTA. Cells are resuspended in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) and seeded into new flasks. - Cells are grown in 25 cm² flasks in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) supplemented with 10% FBS. Cells are grown to confluence and then trypsinized with 0.25% trypsin-EDTA. Cells are resuspended in DMEM:Ham's F12 (1:1), w: 3.1 g/L β-MEM, w: 2.5 mM L-β-alanine, w: 15 mM HEPES, w: 0.5 mM β-mercaptoethanol, w: 1.2 g/L NaHCO₃ 820400a) and seeded into new flasks.
Incubation Atmosphere	37°C, 5% CO ₂ , humidified

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Flask Coating

Freezing
Procedure

Shipping
Conditions

Storage
Conditions

Sterility

HLA

A*: '01:01:01, '02:01:01
B*: '50:01:01, '51:01:01
C*: 06:02:01, 16:01:01
DRB1*: '07:01:01, '08:01:01G
DQA1*: '02:01:01, '04:01:01
DQB1*: '02:02:01, '04:02:01
DPB1*: '05:01:01, '20:01:01
E: 01:01:01