

CERV-215 | 300292

Overview

Description	CERV-215, also known as CERV-215, is a cell line derived from a patient with cervical cancer. It is a highly tumorigenic cell line that can be used for various applications, including drug screening, toxicity testing, and basic research. The cell line is characterized by its high growth rate and its ability to form tumors in nude mice. The cell line is also known for its resistance to certain chemotherapeutic agents, making it a valuable tool for studying drug resistance mechanisms. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin/streptomycin. The cell line is typically grown in 25 cm ² flasks and is passaged every 2-3 weeks. The cell line is characterized by its high growth rate and its ability to form tumors in nude mice. The cell line is also known for its resistance to certain chemotherapeutic agents, making it a valuable tool for studying drug resistance mechanisms. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin/streptomycin. The cell line is typically grown in 25 cm ² flasks and is passaged every 2-3 weeks.
Organism	Human
Tissue	Cervix
Disease	Cervical cancer
Synonyms	Cerv-215, MRI-H-215, MRI-H215

Characteristics

Age	39 years
Gender	Female
Ethnicity	Chinese
Morphology	Epithelial
Cell type	Epithelial
Growth properties	High growth rate

Applications

Citation	CERV-215 (Cytion 300292)
Biosafety level	2

Product sheet

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NCBI_TaxID 9606

CellosaurusAccession CVCL_5722

Cell Line CERV-215

Tumorigenic Yes, tumorigenic in nude mice

Viruses HPV-16 virus

Products Cervix carcinoma cell lines 8, 18, 30

Characteristics

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 Trypsin

Subculturing Cells are grown in 25 cm² flasks in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are passaged when they reach 80-90% confluency. Cells are trypsinized and resuspended in PBS. Cells are seeded into new flasks at a density of 1-2 x 10⁵ cells per flask.

Seeding density 1-2 x 10⁵ cells/flask

Fluid renewal 2-3 times per week

Post-Thaw Recovery Cells are thawed in a water bath at 37°C and seeded into a 25 cm² flask in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are allowed to recover for 24 hours before use.

Freeze medium Cells are harvested by trypsinization and resuspended in PBS. Cells are then resuspended in a mixture of 90% FBS and 10% DMSO. Cells are frozen in a controlled rate freezer and stored at -80°C.

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Thawing and Culturing Cells

- [illegible]

Incubation Atmosphere

37°C, 5% CO₂, ☐☐☐☐☐☐☐☐ ☐☐☐.

Flask Coating

□□ □□□

Freezing Procedure

[illegible]

Shipping Conditions

[illegible]

Storage Conditions

[illegible]

Sterility

XXXXXXXXXXXXXXXX XXXX XXXXXXXX XXXXXXXX PCR XXXXXX XXXXX XXXXXXXXXXXX XXXXXXXX XXXXXXXXXXXXXXX.

Product sheet

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 B*: '35:08:00, '40:01:00
 C*: 03:04, 04:01