

CERV-196 | 300291

General information

Description	Cell line derived from a patient with cervical cancer (MRI-H196), immortalized by retroviral transduction of SV40-HPV16, and maintained in the presence of 10% FBS. The cell line is characterized by high growth rate and high tumorigenicity. It is a good model for studying the biology of cervical cancer and for testing anti-cancer drugs. The cell line is also used for the production of viral vectors for gene therapy and vaccine development.
Organism	Human
Tissue	Cervix
Disease	Cervical cancer
Synonyms	Cerv-196, MRI-H-196, MRI-H196

Cell line characteristics

Age	49 years
Gender	Female
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent

Cell line authentication

Citation	CERV-196 (Cytion 300291)
Biosafety level	2
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5721

Cell line availability

Product sheet

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Tumorigenic	Yes, tumorigenic in nude mice
Viruses	HPV-16
Products	8, 18, 300291
Media	
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	10% FBS
Dissociation Reagent	Trypsin
Subculturing	Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged using Trypsin. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged using Trypsin. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged using Trypsin.
Seeding density	1.0 x 10 ⁴ cells/cm ²
Fluid renewal	2-3 times per week
Post-Thaw Recovery	Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged using Trypsin. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged using Trypsin. Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged using Trypsin.
Freeze 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) + 10% DMSO + 10% FBS

1. 2000 年 10 月 1 日起, 凡在中华人民共和国境内销售、使用的, 必须取得国家强制性产品认证 (CCC 认证) 的电线电缆, 方可出厂、销售和进口。
2. 电线电缆的制造, 应符合国家标准 GB 19666-2005《阻燃和耐火电线电缆通则》和 GB 12666-2008《电线电缆燃烧试验方法》的要求, 电线电缆的燃烧性能应达到 GB 19666-2005 规定的 A 类要求。
3. 电线电缆的制造, 应符合国家标准 GB 19666-2005《阻燃和耐火电线电缆通则》和 GB 12666-2008《电线电缆燃烧试验方法》的要求, 电线电缆的燃烧性能应达到 GB 19666-2005 规定的 A 类要求。
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37 °C, 5% CO₂,  .

PCR

1. 100 µl of the reaction mixture was added to a 96-well plate.
 2. The plate was sealed and placed in a thermal cycler.
 3. The thermal cycler was set to 95°C for 5 min, followed by 30 cycles of 95°C for 30 s, 55°C for 30 s, and 72°C for 1 min.
 4. The final extension was 72°C for 10 min.
 5. The PCR products were purified using a PCR purification kit.
 6. The purified PCR products were quantified using a spectrophotometer.
 7. The quantified PCR products were then used for sequencing.

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A*: '02:xx, '03:01:01
B*: '07:02:01, '51:01:01G
C*: 07:02:01, 15:02:01
DRB1*: '07:01:01, '09:01:02G
DQA1*: '02:01:01, '03:02:01
DQB1*: '02:02:01, '03:03:02
DPB1*: '04:02:01, '11:01:01
E: 01:03:02