

Human Primary Cervical Cancer Cells

A primary cell isolate with application in cell-based screening and life science research

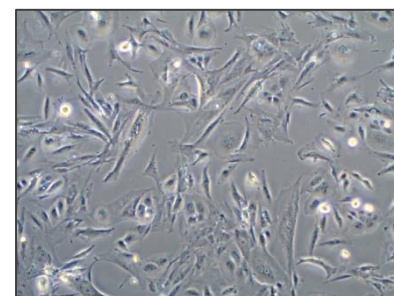
The human primary cervical cancer cell isolate was prepared in Malaysia from cervical cancer tissue obtained with full ethical permission. Cervical cancer tissue was dissociated by enzymatic digestion and cells were harvested and washed by conventional filtration and centrifugation. Cells were grown in culture using medium optimized for propagation of primary cervical epithelial cells, and were banked and cryopreserved under -150°C . Cell population analysis was performed by fluorescence-activated flow cytometry.

DONOR TISSUE FEATURES

- Female donor, 54 years old, Malaysian
- Cervical cancer stage 3B
- Additional donor history available on request

CELL CHARACTERISTICS

| | |
|-----------------------|---|
| Batch number: | 17-0706 |
| Vial content: | 0.5×10^6 cells |
| Appearance: | Simple cervical epithelial cells |
| Seeding density: | 5,000 - 7,000 cells/cm ² |
| Culture medium: | ScienCell CerEpiCAM recommended |
| Recovery from frozen: | 94% |
| Population doubling: | 3-4 days |
| Mycoplasma test: | Negative (by real-time PCR) |
| Virus tests: | Negative for HIV-1, HIV-2, HBV and HCV (by real-time PCR) |
| Other tests: | Negative for yeast, fungus and bacteria |



Cell morphology. Cells in culture were photographed using a phase contrast microscope. (Magnification: x40)

FLOW CYTOMETRY CELL ANALYSIS

| Cell Marker | Target Description | Population Positive* |
|-------------|-----------------------------|----------------------|
| CD133 | Cancer stem cell marker | 0.33% |
| p16INK4a | Cervical cancer cell marker | 91.22% |
| CD44 | Metastasis marker | 96.06% |

*Percentage of cells with fluorescence greater than the isotype control background

USES AND RESTRICTIONS

- Store at -150°C . Once thawed do not re-freeze
- For research use ONLY — not suitable for *in vitro* diagnostic use or human or animal treatment
- Potential biohazard — handle with care

Leaders in Cell Culture