Cat. No. OV-HC-020

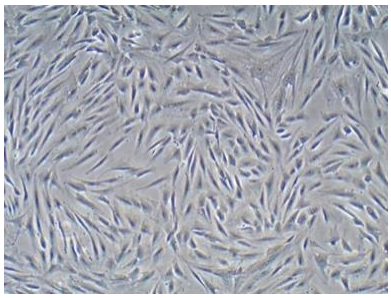
Human Primary Ovarian Cancer Cells

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

The primary cell isolate was prepared from ovarian cancer tissue obtained with full ethical permission. Ovarian 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 ovarian 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, 35 years old, Malaysian
- Adult granulosa cell tumour stage 1C
- Additional donor history available on request



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

CELL CHARACTERISTICS

Batch number:	16-0508
Vial content:	0.5x10^6 cells
Appearance:	Simple ovarian epithelial cells
Seeding density:	5,000 - 7,000 cells/cm^2
Culture medium:	ScienCell OEpiCAM recommended
Recovery from frozen:	93%
Doubling time:	4-5 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

FLOW CYTOMETRY CELL ANALYSIS

Cell Marker	Target Description	Population Positive*
MUC16	Tumour marker	54.80%
CD117	Stem cell growth factor receptor	66.82%
CD44	Metastasis marker	95.68%

*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

AvantiCell Science Limited GibbsYard Building Auchincruive Ayr KA6 5HW Scotland UK
t: +44 (0) 1292 521060 f: +44 (0) 1292 521610 e: info@avanticell.com www.avanticell.com