Cat. No. CF-HC-106

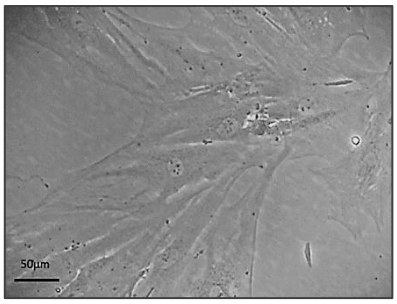
Human Primary Colon Cancer-Associated Fibroblasts

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

The primary cell isolate was prepared from human tissue obtained with full ethical permission. Tissue was dissected and treated with collagenase and chelation. A colon cancer associated fibroblast population (CAF) was isolated using FSP-1 selection and the resulting cells were propagated in customized colon fibroblast medium. Cells were banked and cryopreserved under liquid nitrogen. The cell population was analysed by fluorescence-activated flow cytometry.

DONOR TISSUE FEATURES

- Male donor, 64 years
- Colon tumor
- Additional donor history available on request



Cell morphology. Cells in culture were photographed using a phase contrast microscope. (Magnification: x50)

CELL CHARACTERISTICS

Batch number:	12-0427C
Vial content:	0.5x10^6 cells
Appearance:	Large irregular cells
Seeding density:	2,000-3,000 cells/cm2
Culture medium:	AvantiCell medium (CF-HCM-01) recommended
Recovery from frozen:	81%
Population doubling:	2-3 days
Mycoplasma test:	Negative (by RT-PCR mycoplasma assay)
Virus tests:	HIV1, HIV2, HBV, HCV
	(Negative by RT-PCR screen)
Other tests:	Yeast, bacteria, fungus (Negative)

FLOW CYTOMETRY CELL ANALYSIS

Cell Marker	Target Description	Population Positive*
αSMA	Myofibroblast CAF associated marker	84%
FSP-1	Fibroblast associated marker	21%

*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

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