

## Human Primary Colon Cancer-Associated Fibroblasts

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

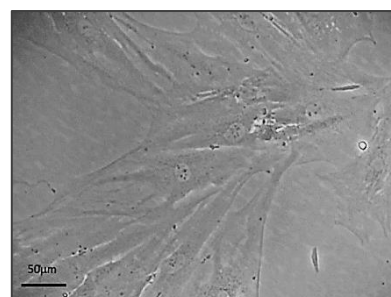
The primary cell isolate was prepared from human tissue obtained with full ethical permission. Tissue was dissected and treated with collagenase and chelation. A colon cancer associated fibroblast population (CAF) was isolated using FSP-1 selection and the resulting cells were propagated in customized 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 CHARACTERISTICS

Batch number:	12-0427C
Vial content:	0.5x10 <sup>6</sup> cells
Appearance:	Large irregular cells
Seeding density:	2,000-3,000 cells/cm <sup>2</sup>
Culture medium:	AvantiCell medium (CF-HCM-01) recommended
Recovery from frozen:	81%
Population doubling:	2-3 days
Mycoplasma test:	Negative (by real time PCR)
Virus tests:	Negative for HIV1, HIV2, HBV, HCV (by real-time PCR)
Other tests:	Negative for yeast, bacteria, fungus



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

### 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