

## Human Primary Colon Epithelial Cells – Crohn’s Disease

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

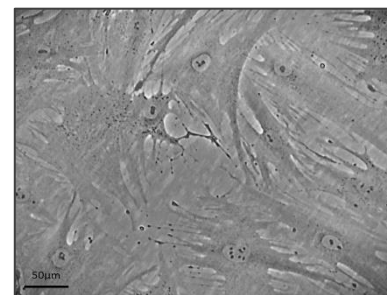
The primary cell isolate was prepared from human tissue obtained with full ethical permission. Tissue was dissected and treated with collagenase and chelation. The resulting cells were propagated in colon epithelia media. Cells were banked and cryopreserved under liquid nitrogen. The cell population was analysed by fluorescence-activated flow cytometry.

### TISSUE FEATURES

- Male donor, Caucasian, 64 years
- Small bowel, Crohn’s Disease diagnosed
- Additional donor history available on request

### CELL CHARACTERISTICS

Batch number:	11-1125C
Vial content:	0.5x10 <sup>6</sup> cells
Appearance:	Large irregular cells
Seeding density:	9,000 cells/cm <sup>2</sup>
Culture medium:	AvantiCell medium (CE-HDM-01) recommended
Recovery from frozen:	95%
Population doubling:	2 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*
CD324 (E-Cadherin)	Epithelial cell marker	3.0%
Ecto-5' nucleotidase (CD73)	Intestinal epithelia associated marker	98.9%

\*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